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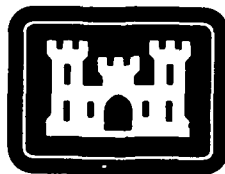
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# WATERBORNE COMMERCE OF THE UNITED STATES

*Calendar Year* 1987

PART 1  
WATERWAYS AND HARBORS  
ATLANTIC COAST

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AUG 9 1990  
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WRSC-WCUS 87-1

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# **WATERBORNE COMMERCE OF THE UNITED STATES**

**CALENDAR YEAR 1987**

## **PART 1**

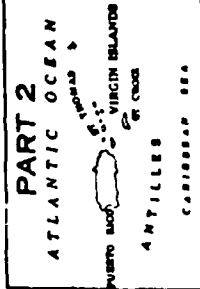
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ATLANTIC COAST**

**THE WATER RESOURCES SUPPORT CENTER  
U.S. ARMY CORPS OF ENGINEERS  
FORT BELVOIR, VIRGINIA**

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This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1987. Four of these publications present detailed data on the movements of commodities and vessels at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands, and the fifth contains summary data of the country as a whole. The numbers of the publications and the areas covered are:

#### Area

- Part 1. Atlantic Coast,
- Part 2. Gulf Coast, Mississippi River System, and Antilles,
- Part 3. Great Lakes,
- Part 4. Pacific Coast, Alaska, and Hawaii,
- Part 5. Waterborne Commerce of the United States (National Summaries).

Both the foreign and domestic commerce moved on United States waters are included. Data on the foreign commerce were supplied to the Corps of Engineers by the Bureau of the Census; data for the compilation of the domestic statistics were collected by the several offices of the Corps of Engineers, Department of the Army, in compliance with various acts of Congress. The principal provision governing the collection of these data is included in the River and Harbor Act of September 22, 1922; as amended by Section 919 of the 1986 Water Resources Development Act. (SLC 107)

Section 11. That owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of War: Provided, that this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

That every person or persons offending against the provisions of this section, shall for each and every offense, be liable to a fine of \$5,000 or imprisonment not exceeding two months, to be enforced in any district court in the United States within whose territorial jurisdiction such offense may have been committed.

While the information as now collected and compiled is designed to meet the administrative requirements of the Department of the Army in connection with the duties assigned by Congress, it also provides useful data for other governmental departments, commercial and shipping concerns, and others interested in transportation.

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the island rivers, canals, and connecting channels of the United States, Puerto Rico, and the Virgin Islands, excluding the Panama Canal. The reports were generally submitted on the basis of a vessel movement completed in one direction and, for movements with cargo, the origin and destination of the water transportation of each individual commodity. In compiling the data, the entire movement was included in the year in which the movement was completed even though the shipment may have originated in the preceding year, except that, beginning with calendar year 1961 statistics, a cutoff date of 28 February was established for the processing of reports from vessel operators covering the prior year's completed movements. Hence, reports of movements completed in 1987 but not reported to the Corps of Engineers until after 28 February 1988 will be included in the next year's, 1988, statistics rather than in this publication, while reports of movements completed in 1986 but reported to the Corps after 28 February 1987 are included in this publication.

Sponsored by the Office of Statistical Policy, Office of Management and Budget, a uniform system of classification for freight was developed with cooperation of all Federal agencies engaged in collecting and compiling data on shipping. This classification, the Commodity Classification for Domestic Waterborne Commerce, is used for data on the foreign and domestic commerce presented in these publications, although some minor modifications exist in the foreign data which were necessitated by Bureau of the Census policies and procedures.

The domestic traffic includes all commercial movements between points in the United States, Puerto Rico, and the Virgin Islands. Traffic with the Panama Canal Zone is treated as foreign commerce. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is omitted from these statistics.

All movements between the United States and foreign countries and between Puerto Rico and Virgin Islands, U.S.A., and foreign countries are classified as foreign traffic. Trade between United States territories and possessions, i.e. Guam, Wake, American Samoa, etc., and foreign countries is excluded.

These data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Statistical Policy, Office of Management and Budget. The data are confined to movements by water, and are reconcilable with published reports of the Bureau of the Census. Shipments of domestic merchandise and re-exports of foreign merchandise are termed exports. The imports include inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses. Intransit merchandise, defined by the Bureau of the Census as merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import, is treated as an import when unloaded from a vessel and as an export when loaded on a vessel. Export shipments for use of the United States Armed Forces abroad are excluded from the statistics as are import shipments on Department of Defense owned and operated vessels. Foreign trade data of territories and possessions other than Puerto Rico and the Virgin Islands, which are under the jurisdiction of the Department of the Interior, were not furnished to the Corps of Engineers by the Bureau of the Census and are excluded from the statistics of both agencies.

Export shipments under the various foreign aid programs on Department of Defense operated vessels, either American Flag commercial vessels under time, voyage, or space charter or vessels owned and operated by the Department of Defense, and various items (listed by the Census) which affect national security are not published in terms of the individual commodities shipped. Instead, a lump-sum tonnage figure is compiled and appears in these tables as commodity code 9999, "Department of Defense Controlled Cargo and Special Category Items."

The 1987 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1987 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

Foreign trade data furnished by Census are based on reports processed for Census' monthly data January through December and represent statistical year rather than calendar year data.

# VIII

## Waterborne Commerce of the United States, 1987

The figures on ton-miles are computed by the Corps of Engineers; each ton-mile figure reflects only the distance each ton of cargo, foreign or domestic, moved on the waterway described in the section for which the figure is reported. The summary of ton-miles for the entire United States contained in Part 5 includes movements on the inland waterways and Great Lakes System only, cargoes, foreign and domestic, of deep-sea vessels are included only for that portion of the voyage that occurred in inland rivers, canals, or connecting channels—neither the carriage on the oceans nor the Gulf of Mexico nor the tonnage moved among the territories and possessions, "Intra-territory Traffic," is taken into account.

Trips of vessels at ports are reported as inbound, which represents the number of entrances or arrivals, and outbound, which represents the number of clearances or departures. On the waterways, the number of trips signifies the number of individual vessel movements on the waterway in each direction; a single trip is counted for each vessel using the waterway in a continuous direction regardless of the number of stops made on the waterway. Some towboat trips and empty barge moves are sampled to expedite processing and reduce cost. Even with sampling; however, the number of towboat trips are calculated from better than 70-percent of the total number of towboat moves reported and the number of barge trips are derived from better than 85-percent of the total number of barge moves reported. The number of trips reported includes vessels engaged in foreign trade, which are furnished by the Bureau of the Census based on Customs Entrance and Clearance forms. Complete information on trips of vessels, ferry and other, not required to clear formally was not furnished by the Bureau of Customs beginning with data for the year 1969. Adjustments are made to the trip counts, if necessary, to more accurately reflect actual traffic patterns (e.g. inbound vs. outbound trip counts).

Customs regulations with regard to entrance and clearance do not provide all data as required by the Corps of Engineers where supplementary information could be obtained, adjustments were made by the Corps of Engineers to reflect the true volume of vessel movements in and out of channels and harbors reported in these publications.

Excluding from these figures are United States Army and Navy vessels, such as Army transports and Navy tankers entering or clearing without commercial cargo, and foreign military and naval craft.

Some duplication may exist in the number of vessel trips at ports for those American flag vessels engaging both foreign and domestic trade on the same voyage. Since movements of vessels and cargo between two United States ports are reported to the Corps of Engineers, and entrance and clearance must be obtained from Customs at each port of call while foreign cargoes are aboard, those vessels engaged in combined foreign and domestic movements may be reported twice.

Draft, in all cases, is the distance from water level to the lowest point of the vessel under-water and is measured when the vessel is completely stopped—either tied to a dock or at anchor. The draft under way—while the vessel is moving—is dependent on many factors, such as speed of the vessel and depth and width of the channel, and varies from channel to channel. Channel depth of at least 3 feet more than the draft of a vessel at dock is required where vessels must be operated at slow speed. Channel depth of 5 feet more than the draft of a vessel at dock is required in channels where vessels can be operated at more efficient and economical speeds.

Passenger arrivals and departures on the various waterways and channels and at ports include passengers engaged in foreign travel. While the Immigration and Naturalization Service, Department of Justice, no longer provides foreign passenger data to the Waterborne Commerce Statistics Center, foreign passengers traveling between Canada and the United States in the Great Lakes and Alaska areas are reported to the Corps of Engineers from other sources available to the Corps. In addition, the New England Division has been able to obtain foreign passenger data for calendar year 1987 in Bar Harbor, Lubec, Eastport and Portland Harbor.

Foreign data on various connecting channels having no terminal facilities, such as Cape Cod Canal, and Chesapeake and Delaware Canal, are not available from Census records. Hence, the Corps of Engineers developed such data from canal records.

SECTION 1 of this publication presents comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1987 of harbors and waterways in the area covered by this part of the statistics series.

SECTION 2 presents data on the movements of vessels at the harbors and on the waterways included in the first section.

### TERMS FOR KIND OF TRAFFIC

The terms applied to the kinds of traffic as found in these publications are explained as follows:

#### Pertaining to Ports

Imports and Exports. These terms apply to traffic between the United States and foreign ports, including the Canal Zone. Traffic of the U.S. Great Lakes ports with Canada is supplemented by the term "Canadian" to differentiate it from overseas traffic.

Coastwise Receipts and Shipments. These terms apply to domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, or Puerto Rico to Hawaii. Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed "coastwise." The Chesapeake Bay and Puget Sound are internal bodies of water, therefore, traffic confined to these areas in "internal" rather than "coastwise."

Lakewise Receipts and Shipments. These terms apply to traffic between United States ports on the Great Lakes System. The Great Lakes System is treated as a separate system rather than as a part of the inland system.

Internal Receipts and Shipments. These terms apply to traffic between ports or landings wherein the entire movement takes place on inland waterways. Also termed internal are movements involving carriage on both inland waterways and waters of the Great Lakes; inland movements that cross short stretches of open waters which link inland systems; marine products, sand and gravel taken directly from beds of the oceans, the Gulf of Mexico and important areas thereof; and movements between offshore installations and inland waterways.

Local. Movements of freight within the confines of a port whether the port has only one or several areas or channels, except car-ferry and general ferry are termed "local." The term is also applied to marine products, sand, and gravel taken directly from the Great Lakes.

Intraterritory receipts and shipments. These terms apply to traffic between ports in Puerto Rico and the Virgin Islands, U.S.A., which are considered a single unit.

#### Pertaining to Rivers, Federal and Private Canals, Connecting Channels, and Intracoastal Waterways

The terms "imports," "exports," "coastwise receipts," "coastwise shipments," "internal receipts," and "internal shipments" are used as at ports.

Upbound and Downbound. These terms are applied to movements within the confines of a river, intracoastal waterway, canal, or a segment of one of these channels as described in the "Section included" for each channel.

Inbound and Outbound. Traffic moving from one waterway into another is termed "outbound" in the case of the shipping waterway and "inbound" with respect to the receiving waterway.

Through Traffic. Traffic moving through a waterway to and from points on other waterways is termed "through traffic."

#### General Terms

Freight reported under the terms "car ferry" or "general ferry" is not directly included in the port or channel tonnage, but is separately stated and tabulated.

# INTRODUCTION

# IX

## COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

NOTE: The commodity descriptions used in the statistical tables in this publication are abbreviated to conserve printing space of the following commodities:

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 20-Food and Kindred Products	
0101	Cotton, raw	2034	Vegetables and preparations, canned and otherwise prepared and preserved
0102	Barley and rye	2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved
0103	Corn	2041	Wheat flour and semolina
0104	Oats	2042	Animal feeds
0105	Rice	2049	Grain mill products, not elsewhere classified
0106	Sorghum Grains	2061	Sugar
0107	Wheat	2062	Molasses
0111	Soybeans	2081	Alcoholic beverages
0112	Flaxseed	2091	Vegetable oils, all grades; margarine and shortening
0119	Oilseeds, not elsewhere classified	2092	Animal oils and fats, not elsewhere classified, including marine
0121	Tobacco, leaf	2094	Groceries
0122	Hay and Fodder	2095	Ice
0129	Field crops, not elsewhere classified	2099	Miscellaneous food products
0131	Fresh fruits		
0132	Bananas and plantains	Group 21-Tobacco Products	
0133	Coffee, green and roasted (including instant)	2111	Tobacco manufactures
0134	Cocoa beans		
0141	Fresh and frozen vegetables	Group 22-Basic Textiles	
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	2211	Basic textile products, except textile fibers
0161	Animals and animal products, not elsewhere classified	2212	Textile fibers not elsewhere classified
0191	Miscellaneous farm products		
Group 08-Forest Products		Group 23-Apparel and Other Finished Textile Products Including Knit	
0841	Crude rubber and allied gums	2311	Apparel and other finished textile products, including knit
0861	Forest products, not elsewhere classified		
Group 09-Fresh Fish and Other Marine Products		Group 24-Lumber and Wood Products Except Furniture	
0911	Fresh fish, except shellfish	2411	Logs
0912	Shellfish, except prepared or preserved	2412	Skipped logs
0913	Menhaden	2413	Fuel wood, charcoal, and wastes
0931	Marine shells, unmanufactured	2414	Timber, posts, poles, piling, and other wood in the rough
Group 10-Metallic Ores		2415	Pulpwood, log
1011	Iron ore and concentrates	2416	Wood chips, staves, moldings, and excelsior
1021	Copper ore and concentrates	2421	Lumber
1051	Bauxite and other aluminum ores and concentrates	2431	Veneer, plywood, and other worked wood
1061	Manganese ores and concentrates	2491	Wood manufactures, not elsewhere classified
1091	Nonferrous metal ores and concentrates, not elsewhere classified		
Group 11-Coal		Group 25-Furniture and Fixtures	
1121	Coal and lignite	2511	Furniture and fixtures
Group 13-Crude Petroleum		Group 26-Pulp, Paper and Allied Products	
1311	Crude petroleum	2611	Pulp
Group 14-Nonmetallic Minerals, Except Fuels		2621	Standard newsprint paper
1411	Limestone flux and calcareous stone	2631	Paper and paperboard
1412	Building stone, unworked	2691	Pulp, paper and paperboard products, not elsewhere classified
1442	Sand, gravel and crushed rock		
1451	Clay, ceramic and refractory materials	Group 27-Printed Matter	
1471	Phosphate rock	2711	Printed matter
1479	Natural fertilizer materials, not elsewhere classified		
1491	Salt	Group 28-Chemicals and Allied Products	
1492	Sulphur, dry	2810	Sodium hydroxide (caustic soda)
1493	Sulphur, liquid	2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
1494	Gypsum, crude and plasters	2812	Dyes, organic pigment, dyeing and tanning materials
1499	Nonmetallic minerals, except fuels, not elsewhere classified	2813	Alcohols
Group 19-Ordnance and Accessories		2816	Radioactive and associated materials, including wastes
1911	Ordnance and accessories	2817	Benzene and toluene, crude and commercially pure
Group 20-Food and Kindred Products		2818	Sulphuric acid
2011	Meat, fresh, chilled, or frozen	2819	Basic chemicals and basic chemical products, not elsewhere classified
2012	Meat and meat products prepared or preserved, including canned meat products	2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
2014	Tallow, animal fats and oils	2822	Synthetic rubber
2015	Animal by-products, not elsewhere classified	2823	Synthetic (man-made) fiber
2021	Dairy products, except dried milk and cream	2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
2022	Dried milk and cream	2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations
2031	Fish and fish products, including shellfish, prepared or preserved	2851	Paints, varnishes, lacquers, enamels, and allied products
		2861	Gum and wood chemicals
		2871	Nitrogenous chemical fertilizers, except mixtures
		2872	Potassic chemical fertilizers, except mixtures
		2873	Phosphatic chemical fertilizers, except mixtures

X

# Waterborne Commerce of the United States, 1987

Code No.	Item Name	Code No.	Item Name
Group 28-Chemicals and Allied Products		Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment	
2876	Insecticides, fungicides, pesticides, and disinfectants	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment
2879	Fertilizers and fertilizer materials, not elsewhere classified	Group 35-Machinery, Except Electrical	
2891	Miscellaneous chemical products	3511	Machinery, except electrical
Group 29-Petroleum and Coal Products		Group 36-Electrical Machinery, Equipment and Supplies	
2911	Gasoline, including natural gasoline	3611	Electrical machinery equipment and supplies
2912	Jet fuel	Group 37-Transportation Equipment	
2913	Kerosene	3711	Motor vehicles, parts and equipment
2914	Distillate fuel oil	3721	Aircraft and parts
2915	Residual fuel oil	3731	Ships and boats
2916	Lubricating oils and greases	3791	Miscellaneous transportation equipment
2917	Naphtha, mineral spirits, solvents, not elsewhere classified	Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
2918	Asphalt, tar, and pitches	3811	Instruments, photographic and optical goods, watches and clocks
2920	Coke, including petroleum coke	Group 39-Miscellaneous Products of Manufacturing	
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids	3911	Miscellaneous products of manufacturing
2951	Asphalt building materials	Group 40-Waste and Scrap Materials	
2991	Petroleum and coal products, not elsewhere classified	4011	Iron and steel scrap
Group 30-Rubber and Miscellaneous Plastic Products		4012	Nonferrous metal scrap
3011	Rubber and miscellaneous plastic products	4022	Textile waste, scrap, and sweepings
Group 31-Leather and Leather Products		4024	Paper waste and scrap
3111	Leather and leather products	4029	Waste and scrap, not elsewhere classified
Group 32-Stone, Clay, Glass and Concrete Products		Group 41-Special Items	
3211	Glass and glass products	4111	Water
3241	Building cement	4112	Miscellaneous shipments not identifiable by commodity
3251	Structural clay products, including refractories	4113	LCL freight
3271	Lime	4118	Materials used in waterway improvement, Government materials
3281	Cut stone and stone products	4119	Empty containers
3291	Miscellaneous nonmetallic mineral products	9999*	Department of Defense controlled cargo and special category items
Group 33-Primary Metal Products		*Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.	
3311	Pig iron		
3312	Slag		
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents		
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron		
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling		
3316	Iron and steel plates and sheets		
3317	Iron and steel pipe and tube		
3318	Ferroalloys		
3319	Primary iron and steel products, not elsewhere classified including castings in the rough		
3321	Nonferrous metals primary smelter product, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum		
3322	Copper and copper alloys, whether or not refined, unwrked		
3323	Lead and zinc including alloys, unwrked		
3324	Aluminum and aluminum alloys, unwrked		

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**Section 1**  
**FREIGHT TRAFFIC**

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## BUCKSPORT HARBOR, MAINE (INCLUDED IN PENOBSCOT RIVER, MAINE)

SECTION INCLUDED: HARBOR PROPER, INCLUDING WESTERN END OF THE EASTERN CHANNEL, OPPOSITE THE NORTHERN END OF VERONA ISLAND. CONTROLLING DEPTH: 5.2 FEET. PROJECT DEPTH: 16.0 FEET IN MIDDLE GROUND AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,175,770	1983-----	662,230
1979-----	1,091,838	1984-----	1,011,247
1980-----	939,384	1985-----	723,852
1981-----	965,295	1986-----	595,377
1982-----	861,497	1987-----	598,860

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC	
		IMPORTS	COASTWISE RECEIPTS	INTERNAL SHIPMENTS
TOTAL-----	598,860	374,517	159,910	64,433
2911 GASOLINE-----	55,137		55,137	
2912 JET FUEL-----	13,149		13,149	
2913 KEROSENE-----	2,570			2,570
2914 DISTILLATE FUEL OIL-----	267,221	170,903	34,455	61,863
2915 RESIDUAL FUEL OIL-----	255,783	203,614	52,169	

## PENOBSCOT RIVER, MAINE

SECTION INCLUDED: MOUTH TO HARBOR, CONTROLLING DEPTH: 14.2 FEET IN CHANNEL OPPOSITE LAWRENCE COVE AND 20.5 FEET IN CHANNEL OPPOSITE FRANKFORT FLATS, 12.2' AT HARBOR HARBOR. PROJECT DEPTH: 22 FEET BETWEEN BUCKSPORT AND WINTERPORT, 15 FEET NEAR STEARNS MILL AND CROSBY NARROWS, 14 FEET AT HARBOR AT HARBOR. ALL AT MEAN LOW WATER. NAVIGATION SEASON: ABOUT 9 MONTHS.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,768,187	1983-----	949,464
1979-----	1,601,006	1984-----	1,296,622
1980-----	1,459,215	1985-----	965,760
1981-----	1,430,372	1986-----	1,344,107
1982-----	1,166,329	1987-----	1,297,074

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL SHIPMENTS
TOTAL-----	1,297,074	599,676	10,226	620,974	66,198
0161 ANIMALS AND PRODUCTS, NEC-----	616		616		
1491 SALT-----	7,641	7,641			
1499 NONMETALLIC MINERALS, NEC-----	20,467	20,467			
2011 MEAT, FRESH, CHILLED, FROZEN-----	9,600		9,600		
2911 GASOLINE-----	347,710	92,664		255,042	
2912 JET FUEL-----	63,074			63,074	
2913 KEROSENE-----	11,492	591		5,015	3,286
2914 DISTILLATE FUEL OIL-----	506,229	233,257		210,060	62,912
2915 RESIDUAL FUEL OIL-----	307,219	245,009		62,210	
2918 ASPHALT, TAR, AND PITCHES-----	22,569			22,569	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	15	15			
3411 FABRICATED METAL PRODUCTS-----	28	28			
3511 MACHINERY, EXCEPT ELECTRICAL-----	6		6		
4112 COMMODITIES, NEC-----	4		4		
TOTAL TON-MILES, 18,202,930.					

## SEARSPORT HARBOR, MAINE

SECTION INCLUDED: CHANNEL FROM DEEP WATER TO PIERS AND TURNING BASIN AT MACK POINT. CONTROLLING DEPTH: 35 FEET IN 34 FOOT ACCESS CHANNELS 34 FEET IN 35 FOOT TURNING BASIN. PROJECT DEPTH: 35 FEET, ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,339,683	1983-----	824,895
1979-----	1,280,214	1984-----	1,001,984
1980-----	1,192,853	1985-----	840,775
1981-----	1,072,013	1986-----	978,059
1982-----	793,713	1987-----	978,174



## Waterborne Commerce of the United States, 1987

SEARSPORT HARBOR, MAINE--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	978,178	575,616	7,684	338,945	55,933
1051 ALUMINUM ORES, CONCENTRATES-----	5,455	5,455			
1121 COAL AND LIGNITE-----	152,108			152,108	
1491 SALT-----	129,226	129,226			
1494 GYPSUM, CRUDE AND PLASTERS-----	29,346	29,346			
2034 VEGETABLES AND PREP, NEC-----	8,836	8,836			
2211 BASIC TEXTILE PRODUCTS-----	24	24			
2621 STANDARD NEWSPRINT PAPER-----	7,684		7,684		
2810 SODIUM HYDROXIDE-----	37,805			35,527	2,278
2819 BASIC CHEMICALS AND PROD, NEC-----	3,001	3,001			
2912 JET FUEL-----	98,856			91,822	7,234
2913 KEROSENE-----	12,594	756			11,938
2914 DISTILLATE FUEL OIL-----	51,668	11,762		5,423	34,883
2915 RESIDUAL FUEL OIL-----	421,611	367,346		54,265	
3241 BUILDING CEMENT-----	19,864	19,864			

PORTLAND HARBOR, MAINE

SECTION INCLUDED: NORTHERN LIMIT FROM THE MOUTH OF THE PRESUMPSOT RIVER ON THE WEST TO THE NORTHERN EXTREMITY OF GREAT DIAMOND ISLAND ON THE EAST; AND THE SOUTHERN LIMIT FROM PORTLAND HEAD LIGHT TO THE SOUTHERN EXTREMITY OF CUSHING ISLAND ACROSS THE MAIN SHIP CHANNEL. INCLUDED WITHIN THIS AREA ARE THE WATERFRONTS OF PORTLAND, SOUTH PORTLAND AND BACK COVE. CONTROLLING DEPTH: 45 FEET FROM THE SEA TO THE LIMIT OF THE 45-FOOT CHANNEL; 44.8 FEET IN MAIN SHIP CHANNEL; 40.0 FEET IN 45-FOOT HOUSE ISLAND ANCHORAGE; 33.5 FEET IN MIDDLE HALF OF CHANNEL TO PORTLAND BRIDGE; THENCE 33.6 FEET TO FORMER SITE OF VAUGHN BRIDGE; THENCE 34.8 FEET TO UPSTREAM LIMIT IN THE 35-FOOT FURIE RIVER CHANNEL; 27 FEET IN 30 FOOT ANCHORAGE WITH SHOALING TO 24.2 FEET IN NORTHEASTERN PORTION. PROJECT DEPTH: 45 FEET FROM OPEN OCEAN TO PORTLAND PIPELINE CORP. TERMINAL; 45 FOOT ANCHORAGE NORTH EST OF HOUSE ISLAND; 30 FOOT ANCHORAGE OFF FISH POINT, FOWE RIVER CHANNEL.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	22,165,303	569,557	1983-----	7,904,207	104,023
1979-----	13,262,431	575,935	1984-----	6,278,519	
1980-----	12,847,571	577,572	1985-----	7,626,204	72,636
1981-----	18,752,985	565,447	1986-----	6,991,527	72,636
1982-----	10,455,784	86,349	1987-----	9,151,527	82,166

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		INTERNAL	LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	
TOTAL-----	9,151,027	6,152,710	43,650	2,724,518	121,143	32,903	76,103
0911 FRESH FISH, EXCEPT SHELLFISH-----	32,930		27			32,903	
0912 SHELLFISH, EXCEPT PREPARED-----	49		49				
1051 ALUMINUM ORES, CONCENTRATES-----	10,910	10,910					
1121 COAL AND LIGNITE-----	89,634			89,634			
1311 CRUDE PETROLEUM-----	3,509,528	3,509,528					
1411 Limestone-----	1,129		1,129				
1491 SALT-----	25,488	25,488					
2014 TALLOW, ANIMAL FATS AND OILS-----	2,205		2,205				
2034 VEGETABLES AND PREP, NEC-----	12,817	12,817					
2039 PREP FRUIT AND VEG JUICE, NFC-----	11		11				
2081 ALCOHOLIC BEVERAGES-----	72		72				
2099 MISCELLANEOUS FOOD PRODUCTS-----	93		83				
2311 APPAREL-----	10		10				
2421 LUMBER-----	7,367	7,367					
2611 PULP-----	8,917	8,917					
2621 STANDARD NEWSPRINT PAPER-----	25,705	25,705					
2631 PAPER AND PAPERBOARD-----	272		127				
2821 PLASTIC MATERIALS-----	51		40				
2871 NITROGENOUS CHEM FERTILIZERS-----	22,588	22,588					
2891 MISCELLANEOUS CHEMICAL PROD-----	2		2				
2911 GASOLINE-----	1,806,677	224,109		1,533,423	38,202		4,543
2912 JET FUEL-----	36,057	2,541		33,526			
2913 KEROSENE-----	77,409	740		73,254	3,410		
2914 DISTILLATE FUEL OIL-----	1,401,895	550,546		754,875	53,941		38,493
2915 RESIDUAL FUEL OIL-----	872,127	690,804		122,806	25,550		32,967
2916 LUBRICATING OILS AND GREASES-----	1,045,045	1,045,045					
2918 ASPHALT, TAR, AND PITCHES-----	116,793	10,198		105,595			
3111 LEATHER AND LEATHER PRODUCTS-----	9		9				
3317 IRON AND STEEL PIPE AND TUBE-----	1,689	1,689					
3411 FABRICATED METAL PRODUCTS-----	49		49				
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,907	2,897	10				
3611 ELECTRICAL MACH AND EQUIP-----	141		129				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6		6				
3731 SHIPS AND BOATS-----	12		12				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	7		7				
4011 IRON AND STEEL SCRAP-----	40,026		40,026				
4112 COMMODITIES, NEC-----	400	295	5				100

TOTAL TON-MILES, 17,147,675.

## NEW ENGLAND DIVISION

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PORTSMOUTH HARBOR, N. H.

SECTION INCLUDED: FROM MOUTH TO NEWINGTON, N. H., IN THE WEST BANK OF THE PISCATAGUA RIVER. CONTROLLING DEPTH MIDDLE HALF OF CHANNEL: 34.4 FEET IN THE 35-FOOT CHANNEL TO SIMPLEX DOCK; THENCE 34.3 FEET TO UPSTREAM LIMIT. PROJECT DEPTH: 35 FEET AT MEAN LOW WATER OVER LEDGES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	3,305,303	102,586	1983-----	2,239,509	-----
1979-----	3,519,926	100,566	1984-----	2,668,007	-----
1980-----	2,783,781	51,160	1985-----	2,780,051	-----
1981-----	3,072,214	191,800	1986-----	3,487,098	126,880
1982-----	2,267,083	-----	1987-----	3,521,620	157,450

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	3,501,620	1,891,416	310,205	1,221,595	53,347	25,067
0131 FRESH FRUITS-----	1,323	-----	1,323	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	81	-----	81	-----	-----	-----
1121 COAL AND LIGNITE-----	102,356	24,759	-----	77,597	-----	-----
1451 CLAY-----	26	26	-----	-----	-----	-----
1491 SALT-----	323,001	323,001	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	235,819	235,819	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	3,499	3,499	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	17,473	-----	17,473	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	35	35	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	22	-----	22	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	11	-----	11	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	7,880	7,880	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	94	94	15	-----	-----	-----
2311 APPAREL-----	7	7	-----	-----	-----	-----
2421 LUMBER-----	541	24	513	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	85	82	3	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	14	9	5	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	1,583	23	1,560	-----	-----	-----
2711 PRINTED MATTER-----	4	4	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	4,981	4,981	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	108	98	10	-----	-----	-----
2851 PAINTS-----	2	2	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	4,519	4,519	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	79	79	-----	-----	-----	-----
2911 GASOLINE-----	204,423	21,995	-----	182,428	-----	-----
2912 JET FUEL-----	101,165	-----	-----	101,165	-----	-----
2913 KEROSENE-----	76,976	21,514	-----	9,530	31,430	14,498
2914 DISTILLATE FUEL OIL-----	975,522	624,110	-----	330,419	10,824	10,569
2915 RESIDUAL FUEL OIL-----	678,942	199,003	-----	468,450	11,489	-----
2918 ASPHALT, TAR, AND PITCHES-----	184,061	132,065	-----	51,996	-----	-----
2921 LIQUEFIED GASES-----	276,235	276,235	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	89	89	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	8	8	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	8,982	8,982	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	3	3	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1,070	1,070	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	586	586	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	297	294	3	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	344	333	11	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	166	166	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	8	8	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	120	1	119	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	74	74	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	288,694	-----	288,694	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	45	-----	45	-----	-----	-----
4112 COMMODITIES, NEC-----	77	17	60	-----	-----	-----
TOTAL TON-MILES,-----	12,434,844	-----	-----	-----	-----	-----

## SALEM HARBOR, MASS.

SECTION INCLUDED: WESTERLY SHORE OF HARBOR. CONTROLLING DEPTH: 30 FEET AT MEAN LOW WATER IN THE 32-FOOT CHANNEL. PROJECT DEPTH: MAIN CHANNEL 32 FEET AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	1,487,230	-----	1983-----	962,079	-----
1979-----	1,384,294	8,690	1984-----	1,459,942	8,896
1980-----	1,556,764	2,104	1985-----	1,413,122	7,834
1981-----	1,228,200	37,942	1986-----	1,694,500	-----
1982-----	929,018	-----	1987-----	1,428,413	-----

## Waterborne Commerce of the United States, 1987

SALEM HARBOR, MASS.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,428,413	316,549	15	1,096,311	15,086	412
0911 FRESH FISH, EXCEPT SHELLFISH-----	17	17	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	44	44	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	739,663	-----	-----	739,663	-----	-----
2034 VEGETABLES AND PREP, NEC-----	20	20	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	114,961	51,101	-----	63,860	-----	-----
2915 RESIDUAL FUEL OIL-----	573,693	265,407	-----	292,798	15,086	412
2951 ASPHALT BUILDING MATERIALS-----	15	-----	15	-----	-----	-----
TOTAL TON-MILES, 2,856,414.						

PORT OF BOSTON, MASS.

SECTION INCLUDED: BOSTON HARBOR, INCLUDING ALL THE TIDEWATER LYING WITHIN A LINE FROM POINT ALLERTON TO POINT SMITLEY, AND EXTENDING WESTWARD TO THE MAINLAND, COMPRISING AN AREA OF APPROXIMATELY 47 SQUARE MILES. CONTROLLING DEPTH: MAIN SHIP CHANNEL TO OPPOSITE PIER 49, 37.9 FEET. OTHER CHANNELS RANGE FROM 15 TO 40 FEET. PRESIDENT ROADS ANCHORAGE, 39.1 FEET. PROJECT DEPTH: A CHANNEL 30 FEET DEEP IN GENERAL, BUT 45 FEET THROUGH ROCK 900 FEET WIDE, WIDENING AT THE OUTER END TO 1,100 FEET FROM THE SEA TO PRESIDENT ROADS, THROUGH BROAD SOUND. OTHER CHANNELS RANGE FROM 15 TO 40 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	26,073,590	238,499	1983-----	17,336,478	44,429
1979-----	26,342,672	260,464	1984-----	19,886,675	395,131
1980-----	22,033,922	113,235	1985-----	17,268,814	358,674
1981-----	20,306,450	365,117	1986-----	21,035,972	481,277
1982-----	17,593,627	393,483	1987-----	19,829,871	53,624

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		INTERNAL	LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	
TOTAL-----	19,829,871	10,266,477	655,939	6,798,805	1,248,089	23,358	837,203
0105 RICE-----	4	4	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	17	11	6	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	45	45	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	344	344	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	3,645	93	3,510	42	-----	-----	-----
0133 COFFEE-----	716	550	-----	166	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	638	638	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	6,911	6,194	664	53	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	306	231	-----	75	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,450	1,433	17	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	613	377	19	217	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	76,075	46,811	1,466	4,040	-----	23,358	-----
0912 SHELLFISH, EXCEPT PREPARED-----	43,820	2,490	751	-----	-----	-----	40,579
0931 MARINE SHELLS, UNMANUFACTURED-----	3	3	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	36	-----	36	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	267	161	106	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	371	20	351	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	86	13	-----	73	-----	-----	-----
1311 CRUDE PETROLEUM-----	69,330	69,330	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	536	510	2	24	-----	-----	-----
1451 CLAY-----	2,541	2,451	47	43	-----	-----	-----
1491 SALT-----	6,700	6,700	-----	-----	-----	-----	-----
1499 GYPSUM, CRUDE AND PLASTERS-----	272,830	272,830	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1,736	1,340	94	302	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	89	62	27	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	940	230	72	638	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	1,078	225	38	815	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	509	-----	429	80	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	4,902	1,717	3,151	34	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	1,525	1,163	28	334	-----	-----	-----
2022 DRIED MILK AND CREAM-----	2,953	49	2,896	4	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	20,219	6,031	162	14,026	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	8,407	5,364	-----	3,043	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,253	4,484	594	175	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	220	-----	220	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	996	923	73	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	3,434	3,167	50	217	-----	-----	-----
2061 SUGAR-----	181,432	167,832	-----	13,600	-----	-----	-----
2062 MOLASSES-----	7,643	7,643	-----	-----	-----	-----	-----
2091 ALCOHOLIC BEVERAGES-----	93,453	91,584	162	1,707	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	95,653	74,049	2,193	302	5,169	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	114	114	-----	-----	-----	-----	-----
2095 ICE-----	324	324	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	6,294	5,547	132	615	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	9	1	8	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	10,704	8,585	2,063	54	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	443	303	-----	140	-----	-----	-----
2311 APPAREL-----	1,652	1,027	23	602	-----	-----	-----

## NEW ENGLAND DIVISION

7

PORT OF BOSTON, MASS.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	
2411 LOGS-----	22		22				
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,494	1,494					
2414 TIMBER, POSTS, POLES, PILING-----	364	364					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1	1					
2421 LUMBER-----	3,133	265	2,868				
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,991	5,962		29			
2491 WOOD MANUFACTURES, NEC-----	1,886	1,379	507				
2511 FURNITURE AND FIXTURES-----	12,134	10,625	1,509	1,349			
2611 PULP-----	783	3	780				
2621 STANDARD NEWSPRINT PAPER-----	4,260	2,097	2,163				
2631 PAPER AND PAPERBOARD-----	17,281	11,075	6,206				
2691 PULP AND PAPER PRODUCTS, NEC-----	2,037	641	1,395	201			
2711 PRINTED MATTER-----	2,874	2,090	545	239			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,590	2,545	45				
2812 DYES, PIGMENT, TANNING MATS-----	354		354				
2813 ALCOHOLS-----	205	154	51				
2816 RADIOACTIVE MATERIALS, WASTES-----	13	12	1				
2817 BENZENE AND TOLUENE-----	1,549		1,549				
2819 BASIC CHEMICALS AND PROD, NEC-----	50,147	26,798	8,310	15,039			
2821 PLASTIC MATERIALS-----	13,212	7,949	5,239	24			
2822 SYNTHETIC RUBBER-----	794	712	14	72			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2,204	2,107	97				
2831 DRUGS-----	89	70	19				
2841 SOAP-----	1,924	572	1,307	45			
2851 PAINTS-----	9,507	9,200	274	33			
2861 GUM AND WOOD CHEMICALS-----	336	336					
2871 NITROGENOUS CHEM FERTILIZERS-----	5	5					
2876 INSECTICIDES, DISINFECTANTS-----	243	37	206				
2891 MISCELLANEOUS CHEMICAL PROD-----	2,502	1,629	578	95			
2911 GASOLINE-----	5,354,354	1,888,540		3,123,206	223,593		119,015
2912 JET FUEL-----	1,090,933	362,727		674,529	18,858		24,819
2913 KEROSENE-----	130,050	17,791		58,907	30,228		23,124
2914 DISTILLATE FUEL OIL-----	5,657,296	3,510,876		1,437,349	389,099		319,972
2915 RESIDUAL FUEL OIL-----	4,445,176	2,477,393		736,775	527,349		303,659
2916 LUBRICATING OILS AND GREASES-----	54,521	284	604	53,266	367		
2918 ASPHALT, TAR, AND PITCHES-----	184,499	37,186	3	147,310			
2921 LIQUEFIED GASES-----	42,365	42,365					
2991 PETROLEUM AND COAL PROD, NEC-----	6,011	51	3				5,957
3011 RUBBER AND MISC PLASTIC PROD-----	10,655	8,324	1,714	617			
3111 LEATHER AND LEATHER PRODUCTS-----	9,668	6,766	1,772	1,130			
3211 GLASS AND GLASS PRODUCTS-----	8,638	5,836	843	1,959			
3241 BUILDING CEMENT-----	695,855	341,914		349,960	3,981		
3251 STRUCTURAL CLAY PRODUCTS-----	16,228	5,681	49	7,498			
3281 CUT STONE AND STONE PRODUCTS-----	24,924	23,621	50	1,053			
3291 MISC NONMETALLIC MINERAL PROD-----	6,045	2,633	177	3,235			
3314 IRON AND STEEL PRIMARY FORMS-----	18			19			
3315 IRON, STEEL SHAPES, EXC SHEET-----	16,646	13,977	14	2,655			
3316 IRON AND STEEL PLATES, SHEETS-----	1,366	988	878				
3317 IRON AND STEEL PIPE AND TUBE-----	2,314	1,716	2	596			
3318 FERROALLOYS-----	39	39					
3319 IRON AND STEEL PRODUCTS, NEC-----	2,625	2,488	49	AA			
3321 NONFERROUS METALS, NEC-----	1,400	1,324	761				
3322 COPPER ALLOYS, UNWORKED-----	4,441	3,975	186	280			
3323 LEAD AND ZINC, UNWORKED-----	2,394	2,376	8				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	3,175	2,582	28	565			
3411 FABRICATED METAL PRODUCTS-----	18,072	18,052	1,757	2,263			
3511 MACHINERY, EXCEPT ELECTRICAL-----	29,207	25,571	3,136	500			
3611 ELECTRICAL MACH AND EQUIP-----	17,202	13,858	2,946	398			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	139,372	138,558	812	2			
3721 AIRCRAFT AND PARTS-----	53	53					
3731 SHIPS AND BOATS-----	797	705	81	9			
3791 MISC TRANSPORTATION EQUIPMENT-----	1,699	1,640	13	6			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	5,447	2,133	3,030	324			
3911 MISC MANUFACTURED PRODUCTS-----	10,835	8,536	774	1,525			
4011 IRON AND STEEL SCRAP-----	545,428		545,428				
4012 NONFERROUS METAL SCRAP-----	6,474	1	6,473				
4022 TEXTILE WASTE, SCRAP, SHEEP-----	1,985		1,985				
4024 PAPER WASTE AND SCRAP-----	33,255	2,285	30,970				
4112 COMMODITIES, NEC-----	186,295	2,567	1,865	132,240	49,505		74
9999 DEPARTMENT OF DEFENSE AND SCI-----	90		90				

## MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)

SECTION INCLUDED: FROM A POINT IN PRESIDENT ROADS BETWEEN DEER ISLAND AND LONG ISLAND TO THE MOUTH OF FT. POINT CHANNEL, CHARLES RIVER, RESERVED CHANNEL, MYSTIC RIVER, AND CHELSEA RIVER. CONTROLLING DEPTHS: 37.9 FEET IN 40-FOOT CHANNEL TO OPPOSITE PIER NO. 49, 34.8 FEET IN THE 35-FOOT AREA AND 38.1 FEET IN THE PRESIDENT ROADS ANCHORAGE; 33.2 FEET IN THE 35 FOOT CHANNEL AND 35.0 FEET IN WATERFRONT CHANNEL; AND 31.4 IN RESERVED CHANNEL. ALL AT MEAN LOW WATER. PROJECT DEPTH: 35 AND 40 FEET FROM PRESIDENT ROADS TO THE MOUTH OF FT. POINT CHANNEL, CHARLES RIVER, RESERVED CHANNEL, AND CHELSEA RIVER; 40 FEET IN PRESIDENT ROADS ANCHORAGE AND ANCHORAGE EXTENSIONS; 35 FEET FROM MOUTH OF RESERVED CHANNEL TO L STREET BRIDGE. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	10,195,640	236,249	14,246,342	1983-----	5,649,723	49,420	12,044,025
1979-----	10,344,597	258,214	14,558,606	1984-----	4,746,239	394,975	13,644,311
1980-----	7,413,905	113,235	13,266,774	1985-----	3,318,581	354,674	12,840,858
1981-----	5,694,053	360,437	13,287,868	1986-----	3,458,693	441,277	15,450,859
1982-----	3,827,030	393,483	12,384,487	1987-----	4,650,416	53,624	13,469,646

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	
TOTAL-----	4,660,416	3,646,060	111,244	332,745	258,288	23,358	299,721
0105 RICE-----	4	4					
0119 OILSEEDS, NEC-----	17	11	6				
0121 TOBACCO, LEAF-----	45	45					
0129 FIELD CROPS, NEC-----	265	265					
0131 FRESH FRUITS-----	3,574	93	3,479	42			
0133 COFFEE-----	716	550		166			
0141 FRESH AND FROZEN VEGETABLES-----	638	638					
0161 ANIMALS AND PRODUCTS, NEC-----	6,715	5,998	664	53			
0191 MISCELLANEOUS FARM PRODUCTS-----	291	216		75			
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,450	1,433	17				
0861 FOREST PRODUCTS, NEC-----	613	377	19	217			
0911 FRESH FISH, EXCEPT SHELLFISH-----	38,936	9,810	1,328	4,440		23,358	
0912 SHELLFISH, EXCEPT PREPARED-----	1,306	1,158	148				
0931 MARINE SHELLS, UNMANUFACTURED-----	3	3					
1011 IRON ORE AND CONCENTRATES-----	36		36				
1051 ALUMINUM ORES, CONCENTRATES-----	267	161	106				
1091 NONFERREROUS ORES, CONCENT, NEC-----	351		351				
1121 COAL AND LIGNITE-----	86	13		73			
1311 CRUDE PETROLEUM-----	69,330	69,330					
1442 SAND, GRAVEL, CRUSHED ROCK-----	536	510	2	24			
1451 CLAY-----	2,541	2,451	47	43			
1491 SALT-----	1,399	1,399					
1494 GYPSUM, CRUDE AND PLASTERS-----	31,043	31,043					
1499 NONMETALLIC MINERALS, NEC-----	1,625	1,229	94	302			
1911 ORDNANCE AND ACCESSORIES-----	87	62	25				
2011 MEAT, FRESH, CHILLED, FROZEN-----	842	132	72	638			
2012 MEAT AND PRODUCTS, NEC-----	1,041	188	38	815			
2014 TALLOW, ANIMAL FATS AND OILS-----	405		325	80			
2015 ANIMAL BY-PRODUCTS, NEC-----	4,781	1,596	3,151	34			
2021 DAIRY PRODUCTS, NEC-----	1,525	1,163	28	334			
2022 DRIED MILK AND CREAM-----	2,953	49	2,896	4			
2031 FISH AND SHELLFISH, PREPARED-----	19,181	4,993	162	14,026			
2034 VEGETABLES AND PREP, NEC-----	8,309	5,266		3,043			
2039 PREP FRUIT AND VEG JUICE, NEC-----	9,231	8,462	594	175			
2041 WHEAT FLOUR AND SEMOLINA-----	220		220				
2042 ANIMAL FEEDS-----	912	852	60				
2049 GRAIN MILL PRODUCTS, NEC-----	3,430	3,167	50	217			
2061 SUGAR-----	38,040	38,040					
2062 MOLASSES-----	7,643	7,643					
2091 ALCOHOLIC BEVERAGES-----	93,334	91,465	162	1,707			
2091 VEGETABLE OILS, MARG, SHORT-----	14,250	13,948		302			
2092 ANIMAL OILS AND FATS, NEC-----	114	114					
2095 ICE-----	324	324					
2099 MISCELLANEOUS FOOD PRODUCTS-----	6,268	5,521	132	615			
2111 TOBACCO MANUFACTURES-----	9	1	8				
2211 BASIC TEXTILE PRODUCTS-----	10,631	8,521	2,054	56			
2212 TEXTILE FIBERS, NEC-----	443	303		140			
2311 APPAREL-----	1,850	1,025	23	602			
2411 LOGS-----	22		22				
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,494	3,494					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1	1					
2421 LUMBER-----	3,133	265	2,868				
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,704	6,675		29			
2491 WOOD MANUFACTURES, NEC-----	1,604	1,330	274				
2511 FURNITURE AND FIXTURES-----	12,018	10,515	154	1,349			
2611 PULP-----	783	3	780				
2621 STANDARD NEWSPRINT PAPER-----	4,260	2,097	2,163				
2631 PAPER AND PAPERBOARD-----	16,791	11,012	5,779				
2691 PULP AND PAPER PRODUCTS, NEC-----	1,933	636	1,096	201			
2711 PRINTED MATTER-----	2,426	2,056	531	239			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,571	2,526	45				
2812 DYES, PIGMENT, TANNING MATS-----	339		339				
2813 ALCOHOLS-----	205	154	51				
2816 RADIOACTIVE MATERIALS, WASTES-----	13	12	1				
2819 BASIC CHEMICALS AND PROD, NEC-----	26,519	15,098	8,289	3,132			
2821 PLASTIC MATERIALS-----	13,095	7,846	5,225	24			
2822 SYNTHETIC RUBBER-----	798	712	14	72			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2,204	2,107	97				
2831 DRUGS-----	89	70	19				
2841 SOAP-----	1,912	560	1,307	45			
2851 PAINTS-----	9,226	8,919	274	33			
2861 GUM AND WOOD CHEMICALS-----	336	336					
2871 NITROGENOUS CHEM FERTILIZERS-----	5	5					
2876 INSECTICIDES, DISINFECTANTS-----	243	37	206				
2891 MISCELLANEOUS CHEMICAL PROD-----	2,451	1,789	567	95			
2911 GASOLINE-----	254,993	220,069		4,762	27,423		6,319
2912 JET FUEL-----	134,875	106,522			5,053		22,900
2913 KEROSENE-----	8,799	6,866			2,133		
2914 DISTILLATE FUEL OIL-----	1,058,568	873,075		72,439	24,661		48,053
2915 RESIDUAL FUEL OIL-----	2,247,259	1,646,610		196,977	198,278		145,394
2916 LUBRICATING OILS AND GREASES-----	887	283	AND				
2918 ASPHALT, TAR, AND PITCHES-----	25,172	25,169	3				
2921 LIQUEFIED GASES-----	1,191	1,191					
2991 PETROLEUM AND COAL PROD, NEC-----	6,011	51	3				5,957
3011 RUBBER AND MISC PLASTIC PROD-----	10,435	8,215	1,603	617			
3111 LEATHER AND LEATHER PRODUCTS-----	9,586	6,684	1,772	1,130			
3211 GLASS AND GLASS PRODUCTS-----	8,628	5,426	843	1,059			
3241 BUILDING CEMENT-----	25,774	25,774					
3251 STRUCTURAL CLAY PRODUCTS-----	16,227	8,680	49	7,498			
3281 CUT STONE AND STONE PRODUCTS-----	24,894	23,791	50	1,053			
3291 MISC NONMETALLIC MINERAL PROD-----	5,938	2,540	163	3,235			
3314 IRON AND STEEL PRIMARY FORMS-----	18			18			

# NEW ENGLAND DIVISION

9

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	
3315 IRON, STEEL SHAPES, EXC SHEET	15,727	13,058	14	2,655			
3316 IRON AND STEEL PLATES, SHEETS	1,366	488	878				
3317 IRON AND STEEL PIPE AND TUBE	2,312	1,714	2	596			
3318 FERROALLOYS	35	35					
3319 IRON AND STEEL PRODUCTS, NEC	2,586	2,449	49	88			
3321 NONFERROUS METALS, NEC	1,400	1,324	76				
3322 COPPER ALLOYS, UNWORKED	4,380	3,914	186	280			
3323 LEAD AND ZINC, UNWORKED	2,274	2,266	8				
3324 ALUMINUM AND ALLOYS, UNWORKED	3,175	2,582	28	565			
3411 FABRICATED METAL PRODUCTS	17,930	13,911	1,756	2,263			
3511 MACHINERY, EXCEPT ELECTRICAL	29,016	25,391	3,125	500			
3611 ELECTRICAL MACH AND EQUIP	17,154	13,818	2,938	398			
3711 MOTOR VEHICLES, PARTS, EQUIP	138,770	138,524	244	2			
3721 AIRCRAFT AND PARTS	36	36					
3731 SHIPS AND BOATS	785	693	83	9			
3791 MISC TRANSPORTATION EQUIPMENT	1,699	1,640	13	6			
3811 INSTR, TIME, PHOTO, OPT GOODS	5,464	2,110	3,030	320			
3911 MISC MANUFACTURED PRODUCTS	10,558	8,271	762	1,525			
4011 IRON AND STEEL SCRAP	5,247		5,247				
4012 NONFERROUS METAL SCRAP	6,474	1	6,473				
4022 TEXTILE WASTE, SCRAP, SWEEP			1,985				
4024 PAPER WASTE AND SCRAP	33,255	2,285	30,970				
4112 COMMODITIES, NEC	14,464	2,537	1,849	10,000			
9999 DEPARTMENT OF DEFENSE AND SCI	90		80				78
TOTAL TON-MILES,	86,851,534.						

CHELSEA RIVER, MASS. (INCLUDED IN PORT OF BOSTON)

SECTION INCLUDED: FROM MOUTH TO ABOUT 2.6 MILES UPSTREAM. CONTROLLING DEPTH AT MID-CHANNEL: FROM MCARDLE BRIDGE TO CHELSEA STREET BRIDGE 34.2 FEET; FROM CHELSEA STREET BRIDGE TO TURNING BASIN 34.2 FEET. PROJECT DEPTH: 35 FEET AT MEAN LOW WATER FROM THE MOUTH OF THE RIVER TO UPSTREAM LIMIT.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978	7,635,786	1983	7,913,352
1979	7,895,531	1984	8,336,378
1980	7,203,802	1985	9,219,014
1981	7,513,060	1986	11,411,589
1982	7,836,898	1987	10,126,320

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		LOCAL
		IMPORTS	COASTWISE		
			RECEIPTS	SHIPMENTS	
TOTAL-----	10,126,320	4,614,174	4,038,389	815,507	658,210
0129 FIELD CROPS, NEC-----	20	20			
0161 ANIMALS AND PRODUCTS, NEC-----	136	136			
0911 FRESH FISH, EXCEPT SHELLFISH-----	157	157			
1491 SALT-----	1,830	1,830			
1499 GYPSUM, CRUDE AND PLASTERS-----	241,787	241,787			
1499 NONMETALLIC MINERALS, NEC-----	70	70			
2015 ANIMAL BY-PRODUCTS, NEC-----	121	121			
2042 ANIMAL FEEDS-----	15	15			
2061 SUGAR-----	129,792	129,792			
2081 ALCOHOLIC BEVERAGES-----	97	97			
2099 MISCELLANEOUS FOOD PRODUCTS-----	22	22			
2211 BASIC TEXTILE PRODUCTS-----	6	6			
2311 APPAREL-----	2	2			
2511 FURNITURE AND FIXTURES-----	11	11			
2631 PAPER AND PAPERBOARD-----	63	63			
2691 PULP AND PAPER PRODUCTS, NEC-----	3	3			
2711 PRINTED MATTER-----	4	4			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	19	19			
2821 PLASTIC MATERIALS-----	59	59			
2841 SOAP-----	8	8			
2851 PAINTS-----	169	169			
2911 GASOLINE-----	3,773,071	1,195,351	2,287,995	172,013	117,712
2912 JET FUEL-----	582,498	256,205	288,069	13,405	24,810
2913 KEROSENE-----	112,705	11,125	52,067	26,389	23,124
2914 DISTILLATE FUEL OIL-----	3,503,662	1,990,061	1,019,834	286,678	217,089
2915 RESIDUAL FUEL OIL-----	1,529,095	615,175	321,759	316,695	275,466
2916 LUBRICATING OILS AND GREASES-----	53,634	1	53,266	367	
2918 ASPHALT, TAR, AND PITCHES-----	27,416	12,017	15,399		
3011 RUBBER AND MISC PLASTIC PROD-----	7	7			
3211 GLASS AND GLASS PRODUCTS-----	2	2			
3241 BUILDING CEMENT-----	168,352	168,352			
3315 IRON, STEEL SHAPES, EXC SHEET-----	878	878			
3318 FERROALLOYS-----	4	4			
3319 IRON AND STEEL PRODUCTS, NEC-----	39	39			
3322 COPPER ALLOYS, UNWORKED-----	61	61			

## Waterborne Commerce of the United States, 1987

CHELSEA RIVER, MASS. (INCLUDED IN PORT OF BOSTON)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
3325 LEAD AND ZINC, UNWORKED-----	110	110				
3411 FABRICATED METAL PRODUCTS-----	83	83				
3511 MACHINERY, EXCEPT ELECTRICAL-----	121	121				
3611 ELECTRICAL MACH AND EQUIP-----	24	24				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3	3				
3721 AIRCRAFT AND PARTS-----	17	17				
3731 SHIPS AND BOATS-----	8	8				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	11	11				
3911 MISC MANUFACTURED PRODUCTS-----	126	126				
4112 COMMODITIES, NEC-----	2	2				
TOTAL TON-MILES, 27,699,368.						

MYSTIC RIVER, MASS. (INCLUDED IN PORT OF BOSTON)

SECTION INCLUDED: FROM MOUTH OF RIVER TO BOSTON EDISON FACILITY, THENCE UPSTREAM ABOUT 800 FEET. CONTROLLING DEPTH: FROM MYSTIC BRIDGE TO UPSTREAM END OF REVERE SUGAR REFINERY DOCK 34.3 FEET; FROM REVERE SUGAR REFINERY DOCK TO UPSTREAM LIMIT OF 35 FOOT CHANNEL, 33.7 FEET IN MAINTAINED PORTION; 13 FEET IN 20-FOOT CHANNEL. PROJECT DEPTH: CHANNEL 35 FEET DEEP EXTENDING FROM THE UPPER LIMIT IN 35-FOOT CHANNEL OF BOSTON HARBOR TO 100 FEET DOWNSTREAM OF WALDEN BRIDGE; THENCE 20 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	7,258,365	84,540	1983-----	4,438,450	
1979-----	7,478,549	70,825	1984-----	5,833,865	
1980-----	6,809,595	60,000	1985-----	3,978,579	
1981-----	6,325,473		1986-----	4,645,797	
1982-----	4,967,335		1987-----	3,984,861	11,755

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	3,984,861	1,182,351	542,502	1,985,181	113,435	161,392
0129 FIELD CROPS, NEC-----	20	20				
0131 FRESH FRUITS-----	71		71			
0161 ANIMALS AND PRODUCTS, NEC-----	10	10				
0911 FRESH FISH, EXCEPT SHELLFISH-----	36,982	36,840	142			
0912 SHELLFISH, EXCEPT PREPARED-----	42,491	1,309	603			40,579
1091 NONFERROUS ORES, CONCENT, NEC-----	20	20				
1911 ORDNANCE AND ACCESSORIES-----	2		2			
2011 MEAT, FRESH, CHILLED, FROZEN-----	66	66				
2012 MEAT AND PRODUCTS, NEC-----	37	37				
2014 TALLOW, ANIMAL FATS AND OILS-----	104		104			
2031 FISH AND SHELLFISH, PREPARED-----	1,038	1,038				
2034 VEGETABLES AND PREP, NEC-----	98		98			
2039 PREP FRUIT AND VEG JUICE, NEC-----	22		22			
2042 ANIMAL FEEDS-----	38	25	13			
2061 SUGAR-----	13,600			13,600		
2091 VEGETABLE OILS, MARG, SHORT-----	18	18				
2099 MISCELLANEOUS FOOD PRODUCTS-----	4					
2211 BASIC TEXTILE PRODUCTS-----	23	10	9			
2431 VENEER, PLYWOOD, WORKED WOOD-----	287	287				
2491 WOOD MANUFACTURES, NEC-----	82	49	33			
2511 FURNITURE AND FIXTURES-----	105	99	6			
2631 PAPER AND PAPERBOARD-----	427		427			
2691 PULP AND PAPER PRODUCTS, NEC-----	101	2	99			
2711 PRINTED MATTER-----	26	12	14			
2812 DYES, PIGMENT, TANNING MATS-----	15		15			
2817 BENZENE AND TOLUENE-----	1,549			1,549		
2819 BASIC CHEMICALS AND PROD, NEC-----	11,988	60	21	11,907		
2821 PLASTIC MATERIALS-----	53	39	14			
2841 SOAP-----	4					
2851 PAINTS-----	97	97				
2891 MISCELLANEOUS CHEMICAL PROD-----	21	10	11			
2911 GASOLINE-----	522,000			522,000		
2912 JET FUEL-----	386,460			386,460		
2913 KEROSENE-----	6,840			6,840		
2914 DISTILLATE FUEL OIL-----	810,883	437,637		229,509	63,930	79,867
2915 RESIDUAL FUEL OIL-----	773,079	515,134		216,939		41,006
2918 ASPHALT, TAR, AND PITCHES-----	131,911			131,911		
2921 LIQUEFIED GASES-----	41,174	41,174				
3011 RUBBER AND MISC PLASTIC PROD-----	206	95	111			
3111 LEATHER AND LEATHER PRODUCTS-----	25	25				
3211 GLASS AND GLASS PRODUCTS-----	5	5				
3241 BUILDING CEMENT-----	489,974	147,788		342,186		
3281 CUT STONE AND STONE PRODUCTS-----	24	24				
3291 MISC NONMETALLIC MINERAL PROD-----	14		14			
3315 IRON, STEEL SHAPES, EXC SHEET-----	41	41				

## NEW ENGLAND DIVISION

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MYSTIC RIVER, MASS. (INCLUDED IN PORT OF BOSTON)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
3317 IRON AND STEEL PIPE AND TUBE-----	2	2				
3411 FABRICATED METAL PRODUCTS-----	46	45		1		
3511 MACHINERY, EXCEPT ELECTRICAL-----	51	40	11			
3611 ELECTRICAL MACH AND EQUIP-----	24	16	8			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	596	28	568			
3731 SHIPS AND BOATS-----	4	4				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	10	10				
3911 MISC MANUFACTURED PRODUCTS-----	82	79	12			
4011 IRON AND STEEL SCRAP-----	540,181		540,181			
4112 COMMODITIES, NEC-----	171,827	26	16	122,280	49,505	
TOTAL TON-MILES, 4,043,956.						

NEWMOUTH FORD RIVER, MASS. (INCLUDED IN PORT OF BOSTON)

SECTION INCLUDED: FROM MOUTH TO HEAD OF NAVIGATION. CONTROLLING DEPTH: 30 FEET IN THE 35-FOOT CHANNEL EXCEPT 32.3 FEET AT SIPHON OPPOSITE KING COVE, ORIGINAL SIPHON HAS BEEN REPLACED. NEW SIPHON IS BELOW PROJECT DEPTH. PROJECT DEPTH: 35 FEET FROM DEEP WATER IN BOSTON HARBOR VIA NANTUCKET GUT AND WINGHAM BAY TO A POINT ABOUT 2,500 FEET ABOVE FORD RIVER BRIDGE; 27 FEET IN CHANNEL BETWEEN NJT AND PEDDOCKS ISLANDS.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	1,418,530	7,504	459,182	1983-----	1,158,613		572,713
1979-----	1,191,895	2,711	335,232	1984-----	1,296,468	85,262	621,486
1980-----	1,054,736	386	529,097	1985-----	1,008,905	93,274	114,008
1981-----	1,146,066	64,573	367,306	1986-----	1,490,723	96,604	75,432
1982-----	1,007,783	533	303,752	1987-----	1,508,714		89,951

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,508,714	823,822	2,193	427,150	54,838	198,661
0129 FIELD CROPS, NEC-----	39	39				
0161 ANIMALS AND PRODUCTS, NEC-----	50	50				
0191 MISCELLANEOUS FARM PRODUCTS-----	15	15				
0912 SHELLFISH, EXCEPT PREPARED-----	23	23				
1491 SALT-----	3,471	3,471				
1499 NONMETALLIC MINERALS, NEC-----	41	41				
2011 MEAT, FRESH, CHILLED, FROZEN-----	32	32				
2042 ANIMAL FEEDS-----	31	31				
2081 ALCOHOLIC BEVERAGES-----	22	22				
2091 VEGETABLE OILS, MARG, SHORT-----	71,385	64,083	2,193		5,109	
2211 BASIC TEXTILE PRODUCTS-----	44	44				
2414 TIMBER, POSTS, POLES, PILING-----	364	364				
2711 PRINTED MATTER-----	18	18				
2819 BASIC CHEMICALS AND PROD, NEC-----	11,640	11,640				
2821 PLASTIC MATERIALS-----	5	5				
2851 PAINTS-----	15	15				
2891 MISCELLANEOUS CHEMICAL PROD-----	30	30				
2911 GASOLINE-----	858,770	473,120		308,449	23,757	53,404
2913 KEROSENE-----	8,160				1,706	6,454
2914 DISTILLATE FUEL OIL-----	455,007	220,103		197,581	13,890	116,433
2915 RESIDUAL FUEL OIL-----	96,280	50,474		11,100	12,376	22,330
3011 RUBBER AND MISC PLASTIC PROD-----	7	7				
3111 LEATHER AND LEATHER PRODUCTS-----	57	57				
3251 STRUCTURAL CLAY PRODUCTS-----	1	1				
3281 CUT STONE AND STONE PRODUCTS-----	6	6				
3291 MISC NONMETALLIC MINERAL PROD-----	93	93				
3411 FABRICATED METAL PRODUCTS-----	13	13				
3511 MACHINERY, EXCEPT ELECTRICAL-----	19	19				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3	3				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2	2				
3911 MISC MANUFACTURED PRODUCTS-----	69	69				
4112 COMMODITIES, NEC-----	2	2				
TOTAL TON-MILES, 12,641,482.						



# Waterborne Commerce of the United States, 1987

## CAPE COD CANAL, MASS.

SECTION INCLUDED: ENTIRE LENGTH 17.5 MILES; EXTENDING FROM THE OUTER END OF THE NORTHERLY BREAKWATER IN CAPE COD BAY TO A POINT IN BUZZARDS BAY ABOUT 5 MILES SOUTHWEST OF WINGS NECK LIGHT. CONTROLLING DEPTHS: 32 FEET IN THE LAND CUT; 32 FEET IN HOG ISLAND CHANNEL; 32 FEET IN CLEVELAND LEDGE CHANNEL, 24.1 FEET IN EAST MOORING BASIN AND 29.4 FEET IN WEST MOORING BASIN. PROJECT CHANNEL DEPTH: 32 FEET AT MEAN LOW WATER.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	12,226,618	1,435	1983-----	14,812,721	-----
1979-----	11,247,610	497	1984-----	16,631,703	60,328
1980-----	13,459,452	19,608	1985-----	14,539,425	28,774
1981-----	12,435,740	10,637	1986-----	15,814,429	13,314
1982-----	15,244,821	-----	1987-----	14,390,969	4,948

### FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
TOTAL-----	14,390,969	216,747	2,167,703	10,699,387	1,307,132
0131 FRESH FRUITS-----	42	-----	-----	42	-----
0133 COFFEE-----	166	-----	-----	166	-----
0161 ANIMALS AND PRODUCTS, NEC-----	53	-----	-----	53	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	75	-----	-----	75	-----
0861 FOREST PRODUCTS, NEC-----	217	-----	-----	217	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	15,276	3,689	8,215	3,172	200
1121 COAL AND LIGNITE-----	351,234	-----	-----	342,687	8,547
1402 SAND, GRAVEL, CRUSHED ROCK-----	24	-----	-----	24	-----
1451 CLAY-----	43	-----	-----	43	-----
1491 SALT-----	68,779	-----	68,779	-----	-----
1494 GYPSUM, CRUDE AND PLASTER-----	107,754	-----	107,754	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	302	-----	-----	302	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	638	-----	-----	638	-----
2012 MEAT AND PRODUCTS, NEC-----	815	-----	-----	815	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	80	-----	-----	80	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	34	-----	-----	34	-----
2021 DAIRY PRODUCTS, NEC-----	334	-----	-----	334	-----
2044 DRIED MILK AND CREAM-----	8	-----	-----	8	-----
2031 FISH AND SHELLFISH, PREPARED-----	12,490	-----	-----	12,490	-----
2034 VEGETABLES AND PREP, NEC-----	3,043	-----	-----	3,043	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	175	-----	-----	175	-----
2049 GRAIN MILL PRODUCTS, NEC-----	217	-----	-----	217	-----
2081 ALCOHOLIC BEVERAGES-----	1,707	-----	-----	1,707	-----
2091 VEGETABLE OILS, MARG, SHORT-----	2,801	-----	-----	302	2,499
2099 MISCELLANEOUS FOOD PRODUCTS-----	615	-----	-----	615	-----
2211 BASIC TEXTILE PRODUCTS-----	56	-----	-----	56	-----
2212 TEXTILE FIBERS, NEC-----	140	-----	-----	140	-----
2311 APPAREL-----	319	-----	-----	319	-----
2421 LUMBER-----	2,220	-----	1,950	270	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	29	-----	-----	29	-----
2511 FURNITURE AND FIXTURES-----	1,349	-----	-----	1,349	-----
2631 PAPER AND PAPERBOARD-----	5,721	-----	5,721	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	201	-----	-----	201	-----
2711 PRINTED MATTER-----	239	-----	-----	239	-----
2810 SODIUM HYDROXIDE-----	2,278	-----	-----	-----	2,278
2817 BENZENE AND TOLUENE-----	1,549	-----	-----	1,549	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,168	-----	-----	1,168	-----
2821 PLASTIC MATERIALS-----	24	-----	-----	24	-----
2822 SYNTHETIC RUBBER-----	72	-----	-----	72	-----
2851 PAINTS-----	33	-----	-----	33	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	95	-----	-----	95	-----
2911 GASOLINE-----	5,465,576	-----	82,260	5,057,223	326,093
2912 JET FUEL-----	1,236,912	29,000	13,000	1,152,525	42,387
2913 KEROSENE-----	116,386	-----	-----	107,775	8,611
2914 DISTILLATE FUEL OIL-----	2,009,855	13,691	46,505	1,632,104	317,555
2915 RESIDUAL FUEL OIL-----	2,563,696	-----	1,088,302	1,198,620	276,774
2916 LUBRICATING OILS AND GREASES-----	54,691	-----	-----	50,847	3,844
2917 NAPHTHA, PETROLEUM SOLVENTS-----	22,058	-----	-----	-----	22,058
2918 ASPHALT, TAR, AND PITCHES-----	432,310	11,240	-----	421,070	-----
2991 PETROLEUM AND COAL PROD, NEC-----	9,465	-----	-----	9,465	-----
3011 RUBBER AND MISC PLASTIC PROD-----	617	-----	-----	617	-----
3111 LEATHER AND LEATHER PRODUCTS-----	1,100	-----	-----	1,100	-----
3211 GLASS AND GLASS PRODUCTS-----	1,959	-----	-----	1,959	-----
3201 BUILDING CEMENT-----	431,618	-----	28,375	372,461	30,282
3251 STRUCTURAL CLAY PRODUCTS-----	7,498	-----	-----	7,498	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,053	-----	-----	1,053	-----
3291 MISC NONMETALLIC MINERAL PROD-----	3,235	-----	-----	3,235	-----
3314 IRON AND STEEL PRIMARY FORMS-----	18	-----	-----	18	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,655	-----	-----	2,655	-----
3317 IRON AND STEEL PIPE AND TUBE-----	596	-----	-----	596	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	88	-----	-----	88	-----
3322 COPPER ALLOYS, UNWORKED-----	280	-----	-----	280	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	565	-----	-----	565	-----
3411 FABRICATED METAL PRODUCTS-----	2,301	-----	-----	2,301	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	481	-----	-----	481	-----
3611 ELECTRICAL MACH AND EQUIP-----	398	-----	-----	398	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	38,670	13,939	19,721	2	5,012
3731 SHIPS AND BOATS-----	9	-----	-----	9	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	6	-----	-----	6	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	308	-----	-----	308	-----
3911 MISC MANUFACTURED PRODUCTS-----	1,469	-----	-----	1,469	-----
4112 COMMODITIES, NEC-----	1,402,677	145,189	697,121	299,376	260,992
TOTAL TON-MILES, 257,113,436.					

# NEW ENGLAND DIVISION

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## VINEYARD HAVEN HARBOR, MASS.

SECTION INCLUDED: HARBOR AREA INSIDE OF THE BREAKWATER. CONTROLLING DEPTH: ALL 17.0 FEET IN FAIRWAY, 11.0 IN ANCHORAGE. PROJECT DEPTH: 17.0 FEET IN FAIRWAY AND 12.0 FEET IN ANCHORAGE. ALL AT MEAN LOW WATER.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	112,941	870,486	1983-----	179,262	1,029,191
1979-----	68,520	865,496	1984-----	159,372	1,108,983
1980-----	52,850	963,018	1985-----	218,426	1,082,363
1981-----	74,838	976,786	1986-----	174,741	1,122,754
1982-----	111,068	1,017,379	1987-----	318,971	1,203,234

### FREIGHT TRAFFIC, 1987

#### DOMESTIC (SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	318,971	266,868	52,103
1402 SAND, GRAVEL, CRUSHED ROCK-----	71,100	71,100	-----
2410 TIMBER, POSTS, POLES, PILING-----	1	1	-----
2911 GASOLINE-----	17,319	16,461	858
2912 JET FUEL-----	607	607	-----
2913 KEROSENE-----	522	522	-----
2914 DISTILLATE FUEL OIL-----	11,726	11,490	236
3411 FABRICATED METAL PRODUCTS-----	862	862	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	508	428	80
3731 SHIPS AND BOATS-----	54	54	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	2	-----	2
4112 COMMODITIES, NEC-----	216,270	165,343	50,927
TOTAL TON-MILES, 318,971.			

## WOODS HOLE CHANNEL, MASS.

SECTION INCLUDED: THE CHANNEL THROUGH THE STRAIT (BETWEEN WOODS HOLE AND THE ELIZABETH ISLANDS) WITH A BRANCH CHANNEL FROM THE STRAIT TOWARD VINEYARD SOUND (BROADWAY CHANNEL). CONTROLLING DEPTH: 13.0 FEET AT MEAN LOW WATER THROUGH THE STRAIT 0.41 MILE AND 11.8 FEET IN THE BROADWAY CHANNEL 0.11 MILE. PROJECT DEPTH: 13 FEET IN BOTH CHANNELS. ALL AT MEAN LOW WATER.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	98,051	1,032,902	1983-----	180,870	1,256,367
1979-----	30,861	1,200,414	1984-----	173,923	1,288,746
1980-----	12,407	1,187,773	1985-----	228,732	1,321,801
1981-----	43,491	1,286,972	1986-----	246,071	1,454,365
1982-----	90,272	1,250,815	1987-----	329,539	1,548,732

### FREIGHT TRAFFIC, 1987

#### DOMESTIC (SHORT TONS)

COMMODITY	TOTAL	COASTWISE			
		RECEIPTS	SHIPMENTS	THROUGH	
				EASTBOUND	WESTBOUND
TOTAL-----	329,539	55,391	176,297	97,749	82
1402 SAND, GRAVEL, CRUSHED ROCK-----	93,300	-----	-----	93,300	-----
2911 GASOLINE-----	622	-----	622	-----	-----
2912 JET FUEL-----	1,401	-----	541	860	-----
2913 KEROSENE-----	522	-----	522	-----	-----
2914 DISTILLATE FUEL OIL-----	2,915	379	217	2,319	-----
3411 FABRICATED METAL PRODUCTS-----	862	-----	-----	862	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	508	-----	-----	428	80
3791 MISC TRANSPORTATION EQUIPMENT-----	2	-----	-----	-----	2
4112 COMMODITIES, NEC-----	229,407	55,012	176,395	-----	-----
TOTAL TON-MILES, 329,539.					

## NEW BEDFORD AND FAIRHAVEN HARBOR, MASS.

SECTION INCLUDED: NEW BEDFORD HARBOR NORTH OF PALMER ISLAND LIGHT AND ACUSHNET RIVER TO ABOVE THE ROUTE 6 BRIDGE. CONTROLLING DEPTH: 27.4 FEET; BRANCH CHANNELS RANGE FROM 9 TO 25 FEET. PROJECT DEPTH: 30 FEET IN ENTRANCE CHANNEL, MANEUVERING AREA NORTHWEST OF PALMER ISLAND AND TURNING BASIN ABOVE FISH ISLAND. BRANCH CHANNELS RANGE FROM 10 TO 25 FEET.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	226,198	11,497	1983-----	264,268	11,640
1979-----	195,285	10,798	1984-----	264,089	12,521
1980-----	228,516	36,860	1985-----	351,449	12,100
1981-----	243,611	10,445	1986-----	345,893	11,979
1982-----	214,170	11,529	1987-----	453,358	14,086

## Waterborne Commerce of the United States, 1987

NEW BEDFORD AND FAIRHAVEN HARBOR, MASS.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	
TOTAL-----	453,358	52,773	3,940	178,251	104,578	65,367	48,449
0103 CORN-----	4	4					
0129 FIELD CROPS, NEC-----	4	4					
0131 FRESH FRUITS-----	23,360	22,745	615				
0133 COFFEE-----	3	3					
0141 FRESH AND FROZEN VEGETABLES-----	83	83					
0911 FRESH FISH, EXCEPT SHELLFISH-----	79,794	12,531	1,896			65,367	
0912 SHELLFISH, EXCEPT PREPARED-----	195	81	104				
1042 SAND, GRAVEL, CRUSHED ROCK-----	93,320				93,300		
2011 MEAT, FRESH, CHILLED, FROZEN-----	656		656				
2021 DAIRY PRODUCTS, NEC-----	252	262					
2031 FISH AND SHELLFISH, PREPARED-----	1,119	1,107	12				
2034 VEGETABLES AND PREP, NEC-----	162	162					
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,495	4,495					
2042 ANIMAL FEEDS-----	15		15				
2049 GRAIN MILL PRODUCTS, NEC-----	45	45					
2091 ALCOHOLIC BEVERAGES-----	498	498					
2091 VEGETABLE OILS, MARG, SHORT-----	36	36					
2099 MISCELLANEOUS FOOD PRODUCTS-----	75	75					
2111 TOBACCO MANUFACTURES-----	2	2					
2211 BASIC TEXTILE PRODUCTS-----	75	73	2				
2311 APPAREL-----	30	25	5				
2414 TIMBER, POSTS, POLES, PILING-----	4			1			2
2421 LUMBER-----	68		60	4			3
2491 WOOD MANUFACTURES, NEC-----	5	5					
2511 FURNITURE AND FIXTURES-----	3	3					
2631 PAPER AND PAPERBOARD-----	18	18					
2691 PULP AND PAPER PRODUCTS, NEC-----	35	35					
2711 PRINTED MATTER-----	2	2					
2819 BASIC CHEMICALS AND PROD, NEC-----	6	6					
2841 SOAP-----	10	10					
2851 PAINTS-----	51		51				
2912 JET FUEL-----	860				860		
2914 DISTILLATE FUEL OIL-----	182,509			131,367	2,698		48,444
2915 RESIDUAL FUEL OIL-----	62,479	9,928		46,665	5,886		
3011 RUBBER AND MISC PLASTIC PROD-----	7	7					
3317 IRON AND STEEL PIPE AND TUBE-----	2		2				
3319 IRON AND STEEL PRODUCTS, NEC-----	39	39					
3411 FABRICATED METAL PRODUCTS-----	1,277	410	3		864		
3511 MACHINERY, EXCEPT ELECTRICAL-----	600	2	90	80	428		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	154	4	150				
3731 SHIPS AND BOATS-----	137	16	121				
3791 MISC TRANSPORTATION EQUIPMENT-----	3		1	2			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2		2				
3911 MISC MANUFACTURED PRODUCTS-----	45	45					
4112 COMMODITIES, NEC-----	839	12	159	132	540		

FALL RIVER HARBOR, MASS.

SECTION INCLUDED: FROM THE RAILROAD BRIDGE BETWEEN AQUINNECK ISLAND AND TIVERTON IN A NORTHERLY DIRECTION TO TRESTLE PIER LIGHT IN THE TAUNTON RIVER, CONTROLLING DEPTH: 35 FEET WITH SHOALING ON LIMITS IN THE 35-FOOT CHANNEL. 400 FEET WIDE THROUGH MOUNT HOPE BAY TO THE BRAGA BRIDGE; THENCE 28 FEET IN THE 35-FOOT CHANNEL TO THE WHARVES ABOVE THE BRIDGE; 31.1 FEET IN THE 35-FOOT TURNING BASIN. PROJECT DEPTH: 40 FEET IN CHANNEL AND TURNING BASIN; 40 FEET ON LOWER END OF MCG ISLAND SHOAL; DREDGED TO 35 FEET; 40 FOOT PROJECT INACTIVE

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	4,820,427	60	1983-----	3,234,939	
1979-----	4,798,674		1984-----	4,981,823	
1980-----	4,804,481		1985-----	4,198,368	
1981-----	3,635,123		1986-----	5,438,191	
1982-----	2,927,822		1987-----	5,006,804	

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	RECEIPTS	COASTWISE SHIPMENTS	COASTWISE RECEIPTS	INTERNAL SHIPMENTS	
TOTAL-----	5,006,804	310,921	4,375,638	52,764	123,859	132,909	10,713
0801 CRUDE RUBBER AND ALLIED GUMS-----	17,098	17,098					
0912 SHELLFISH, EXCEPT PREPARED-----	1,127				1,127		
1121 COAL AND LIGNITE-----	2,564,258	28,736	2,535,552				
2810 SODIUM HYDROXIDE-----	2,505		2,505				
2813 ALCOHOLS-----	16,793		16,793				
2814 SULPHURIC ACID-----	6,000		6,000				
2819 BASIC CHEMICALS AND PROD, NEC-----	11,004	11,004					
2911 GASOLINE-----	1,214,154	6,600	1,191,973	7,025		2,594	5,967
2912 JET FUEL-----	876		876				
2913 KEROSENE-----	20,146		7,837	4,260		6,343	1,706
2914 DISTILLATE FUEL OIL-----	685,657	172,500	264,553	41,479	80,113	123,972	3,040
2915 RESIDUAL FUEL OIL-----	455,512	71,079	341,814		42,819		

## NEW ENGLAND DIVISION

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FALL RIVER HARBOR, MASS.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	SHIPMENTS	
2915 LUBRICATING OILS AND GREASES-----	7,735			7,735		
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,678	1,678				
4112 COMMODITIES, NEC-----	2,226	2,226				
TOTAL TON-MILES, 41,356,942.						

NEWPORT HARBOR, R. I.

SECTION INCLUDED: THE EAST SHORE FROM A POINT OPPOSITE ISA LEWIS LIGHT TO A POINT OPPOSITE THE NORTH END OF GOAT ISLAND. CONTROLLING DEPTHS: 21-FOOT MAIN CHANNEL, 19.8 FEET OVER 3/4 OF ITS WIDTH (1984); OTHER CHANNELS RANGE FROM 11 TO 17 FEET (1984). PROJECT DEPTHS: CHANNELS, 21 AND 14 FEET, ANCHORAGE AREAS 15 AND 19 FEET. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	47,255	1,964	1983-----	34,651	3,020
1979-----	77,640	1,466	1984-----	68,404	1,338
1980-----	72,641	2,300	1985-----	73,853	542
1981-----	71,948	118,972	1986-----	273,898	66,170
1982-----	18,967	15,630	1987-----	468,924	68,076

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	SHIPMENTS	
TOTAL-----	468,924	431,190	28,808	8,390	199	337
1491 SALT-----	64,440	64,440				
2911 GASOLINE-----	29,351	29,351				
2912 JET FUEL-----	31,669	23,279		8,390		
2914 DISTILLATE FUEL OIL-----	127,219	126,683			199	337
2915 RESIDUAL FUEL OIL-----	101,078	72,270	24,808			
3241 BUILDING CEMENT-----	32,031	32,031				
3511 MACHINERY, EXCEPT ELECTRICAL-----	54	54				
3611 ELECTRICAL MACH AND EQUIP-----	44	44				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	43,033	43,033				
4112 COMMODITIES, NEC-----	5	5				
TOTAL TON-MILES, 468,924.						

PROVIDENCE RIVER AND HARBOR, R. I.

SECTION INCLUDED: THE UPPER PART OF THE HARBOR FROM POPHAM ROCKS LIGHT TO FOX POINT. CONTROLLING DEPTHS: 35.4 FEET IN THE 40-FOOT CHANNEL FROM AHEAD NORTH POINT TO SARIN POINT LIGHT; THENCE 30.3 FEET FROM SARIN POINT TO HEAD OF HARBOR. PROJECT DEPTHS: AT MEAN LOW WATER, 40 FEET TO FOX POINT.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC	
			THROUGH TRAFFIC (TONS)	AUTOMOBILES ACCOMPANYING PASSENGERS				THROUGH TRAFFIC (TONS)	AUTOMOBILES ACCOMPANYING PASSENGERS
1978-----	8,459,495	24,660		240	1983-----	5,673,164	24,764	19,366	268
1979-----	8,579,917	29,643		93	1984-----	6,187,536			
1980-----	7,509,253	31,304		216	1985-----	6,741,834	21,414		
1981-----	7,043,682	31,262		222	1986-----	7,496,002	25,942		
1982-----	6,562,453	34,803		229	1987-----	7,450,640	23,430		

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	SHIPMENTS	
TOTAL-----	7,450,640	2,525,215	454,160	3,816,002	219,932	152,362
0119 OLSEEDS, NEC-----	18	18				
2841 CRUDE RUBBER AND ALLIED GUMS-----	8,788	8,788				
1091 NONFERROUS ORES, CONCENT, NEC-----	1		1			
1442 SAND, GRAVEL, CRUSHED ROCK-----	51	51				
1491 SALT-----	191,552	191,552				
1099 NONMETALLIC MINERALS, NEC-----	2,194	2,194				
2091 VEGETABLE OILS, MARG, SHORT-----	4,091	4,091				
2099 MISCELLANEOUS FOOD PRODUCTS-----	17	17				

## Waterborne Commerce of the United States, 1987

PROVIDENCE RIVER AND HARBOR, R. I.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS	
2021 LUMBER-----	56,010	56,010				
2810 SODIUM HYDROXIDE-----	11,658			11,658		
2819 BASIC CHEMICALS AND PROD, NEC-----	40,067	37,045	3,022			
2851 PAINTS-----	6,102	6,102				
2911 GASOLINE-----	2,869,607	604,849		2,218,300	30,217	8,134
2912 JET FUEL-----	58,485	24,160		21,974	12,351	
2913 KEROSENE-----	50,459			24,400	3,486	6,343
2914 DISTILLATE FUEL OIL-----	2,600,295	897,464		645,824	115,150	161,820
2915 RESIDUAL FUEL OIL-----	522,777	206,032		242,223	51,616	64,808
2916 LUBRICATING OILS AND GREASES-----	15,588			15,588		10,090
2917 NAPHTHA, PETROLEUM SOLVENTS-----	59,705			59,705		
2918 ASPHALT, TAR, AND PITCHES-----	365,914	18,744		347,170		
2921 LIQUEFIED GASES-----	137,570	137,570				
3241 BUILDING CEMENT-----	426,757	159,150		229,160	6,693	31,754
3315 IRON, STEEL SHAPES, EXC SHEET-----	93,350	93,350				
3316 IRON AND STEEL PLATES, SHEETS-----	3,127	3,127				
3317 IRON AND STEEL PIPE AND TUBE-----	7,541	7,541				
3322 COPPER ALLOYS, UNWORKED-----	1	1				
3411 FABRICATED METAL PRODUCTS-----	860	860				
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,193	2,164	29			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	64,159	64,159				
3731 SHIPS AND BOATS-----	26	26				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1		1			
4011 IRON AND STEEL SCRAP-----	449,360		449,360			
4012 NONFERROUS METAL SCRAP-----	790		790			
4112 COMMODITIES, NEC-----	1,536	160	957		419	
TOTAL TON-MILES, 65,553,012.						

NEW LONDON HARBOR, CONN.

SECTION INCLUDED: THE UPPER 2.2 MILES OF THE HARBOR TO OPPOSITE THE STATE PIER, INCLUDING SHAW'S COVE AND WINTHROP COVE. CONTROLLING DEPTH: 38 FEET IN MAIN CHANNEL WITH SHOALING NEAR LIMITS; 20.1 FEET IN WATERFRONT CHANNEL. BRANCH CHANNELS RANGE FROM 13 TO 20 FEET. PROJECT DEPTH: 40 FEET IN MAIN CHANNEL (DEEPENED BY U. S. NAVY). 23 FEET IN CHANNEL ALONG NEW LONDON WATERFRONT, BRANCH CHANNELS RANGE FROM 15 TO 23 FEET. ALL AT MEAN LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC ACCOMPANYING PASSENGERS	YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC ACCOMPANYING PASSENGERS
1978-----	2,839,429	331,339	379,305	97,665	1983-----	612,703	208,537	495,072	61,785
1979-----	3,157,705	229,915	328,207	66,550	1984-----	694,069	303,697	544,356	109,515
1980-----	2,529,841	267,226	517,171	68,844	1985-----	506,283	372,615	521,742	193,961
1981-----	1,782,208	140,714	418,514	35,765	1986-----	473,325	506,863	427,414	266,104
1982-----	686,006	351,947	559,216	130,808	1987-----	764,880	492,006	255,147	264,868

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS	
TOTAL-----	764,880	261,589	5,066	342,394	134,004	24,007
1411 LIMESTONE-----	13,772	13,772				
1402 SAND, GRAVEL, CRUSHED ROCK-----	11,828	11,828				
1499 NONMETALLIC MINERALS, NEC-----	111	111				
2042 ANIMAL FEEDS-----	22,864				22,864	
2062 MOLASSES-----	77,397	77,397				
2411 LOGS-----	23	23				
2421 LUMBER-----	22,701	22,701				
2431 VENEER, PLYWOOD, ADHES, ADDD-----	5,624	5,624				
2491 WOOD MANUFACTURES, NEC-----	19	19				
2511 FURNITURE AND FIXTURES-----	12	12				
2611 PULP-----	30,334	30,334				
2621 STANDARD NEWSPRINT PAPER-----	7,264	7,264				
2631 PAPER AND PAPERBOARD-----	2,946	398	2,558			
2691 PULP AND PAPER PRODUCTS, NEC-----	448		448			
2810 SODIUM HYDROXIDE-----	4,495			4,495		
2818 SULFURIC ACID-----	36,507			12,500		24,007
2819 BASIC CHEMICALS AND PROD, NEC-----	37,617	37,597	20			
2821 PLASTIC MATERIALS-----			55			
2941 SOAP-----	5		5			
2913 KEROSENE-----	17,412			15,571	1,841	
2918 DISTILLATE FUEL OIL-----	363,940	30,968		244,360	88,614	
2915 RESIDUAL FUEL OIL-----	65,752			50,113	14,639	
3011 RUBBER AND MISC PLASTIC PROD-----	4	4				
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,017	1,017				
3317 IRON AND STEEL PIPE AND TUBE-----	1,207	1,207				
3322 COPPER ALLOYS, UNWORKED-----	20,888	20,888				
3323 LEAD AND ZINC, UNWORKED-----	218	218				
3411 FABRICATED METAL PRODUCTS-----	15,205			15,205		
3511 MACHINERY, EXCEPT ELECTRICAL-----	42			42		

## NEW ENGLAND DIVISION

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NEW LONDON HARBOR, CONN.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	19	19	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	2,154	-----	-----	108	2,046	-----
TOTAL TON-MILES, 2,861,521.						

THAMES RIVER, CONN.

SECTION INCLUDED: FROM A POINT OPPOSITE THE STATE PIER AT NEW LONDON TO NORWICH, CT. CONTROLLING DEPTH: 34.5 FEET TO UPSTREAM END OF J. S. SUBMARINE BASE; THENCE GENERALLY 25.0 FEET IN MIDDLE HALF OF 25 FOOT CHANNEL TO ALLYN POINT; THENCE 18.3 FEET TO 1,500 FEET ABOVE POQUETAVK COVE; THEN 18 FEET UPSTREAM TO NORWICH DIKE; THENCE 11 FEET TO UPSTREAM LIMIT OF PROJECT. CHANNEL WIDENED AND DEEPENED TO 36 FEET DEPTH TO UPSTREAM END OF J. S. SUBMARINE BASE. PROJECT DEPTH: ELSEWHERE IN REACH: 25 FEET TO NORWICH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	669,149	48,552	1983-----	547,982	154
1979-----	610,186	-----	1984-----	549,891	-----
1980-----	744,562	-----	1985-----	521,742	-----
1981-----	546,907	-----	1986-----	427,414	1,794
1982-----	523,837	-----	1987-----	292,802	-----

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	COASTWISE RECEIPTS
TOTAL-----	292,802
2819 BASIC CHEMICALS AND PROD, NEC-----	67,802
2914 DISTILLATE FUEL OIL-----	50,657
2915 RESIDUAL FUEL OIL-----	174,343
TOTAL TON-MILES, 1,693,255.	

CONNECTICUT RIVER BELOW HARTFORD, CONN.

SECTION INCLUDED: SAYBROOK TO HARTFORD, CT., 52 MILES. CONTROLLING DEPTH: GENERALLY 13.0 FEET TO HARTFORD, CT., AT MEAN LOW WATER. PROJECT DEPTH: 15 FEET AT MEAN LOW WATER, SAYBROOK TO HARTFORD. NAVIGATION SEASON: USUALLY MARCH 15 TO DECEMBER 15.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS	YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS
1978-----	1,950,599	290,128	114,196	1983-----	1,823,791	173,066	82,543
1979-----	1,414,353	270,964	118,708	1984-----	1,769,203	285,557	76,736
1980-----	1,772,954	329,235	103,234	1985-----	1,663,253	345,182	107,605
1981-----	1,801,032	359,569	107,556	1986-----	1,719,538	384,927	158,109
1982-----	1,545,637	185,840	91,029	1987-----	1,255,696	621,501	139,880

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	1,255,696	1,254,542	1,154
1121 COAL AND LIGNITE-----	56,990	56,990	-----
2911 GASOLINE-----	421,454	421,454	-----
2912 JET FUEL-----	14,355	14,355	-----
2913 KEROSENE-----	20,373	20,373	-----
2914 DISTILLATE FUEL OIL-----	196,676	196,242	434
2915 RESIDUAL FUEL OIL-----	450,058	460,058	-----
2918 ASPHALT, TAR, AND BITUMENS-----	54,104	40,104	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	800	800	-----
3611 ELECTRICAL MACH AND EQUIP-----	720	-----	720
3731 SHIPS AND BOATS-----	166	166	-----
TOTAL TON-MILES, 48,290,775.			

## NEW HAVEN HARBOR, CONN.

SECTION INCLUDED: MAIN HARBOR CHANNEL: FROM DEEP WATER IN LONG ISLAND SOUND TO THE HEAD OF THE MAIN HARBOR NEAR I-95 BRIDGE. THE UPPER 1.5 MILES OF THE HARBOR, QUINNTIAC RIVER: FROM TOMLINSON BRIDGE TO GRAND AVENUE BRIDGE 1.25 MILES. WEST RIVER: FROM THE MOUTH TO A POINT ABOUT 500 FEET ABOVE THE UPSTREAM SIDE OF THE NIMBERLY AVENUE BRIDGE ABOUT 1 MILE. MILL RIVER: FROM THE MOUTH TO GRAND AVENUE BRIDGE ABOUT 1,600 FEET. CONTROLLING DEPTH, MAIN CHANNEL: 32.5 FEET IN LEFT OUTSIDE QUARTER, 33.6 FEET IN CENTER, 33.0 FEET IN RIGHT OUTSIDE QUARTER, 14 FEET IN THE QUINNTIAC RIVER CHANNEL TO FERRY STREET DRAW BRIDGE, THENCE UPSTREAM 11.3 FEET. OTHER CHANNELS RANGE FROM 3 TO 30 FEET. PROJECT DEPTH: MAIN CHANNEL, 35 FEET FROM LONG ISLAND SOUND TO HEAD OF HARBOR. BRANCH CHANNELS RANGE FROM 6 TO 22 FEET. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1974	11,407,706	144,960	1983	8,266,499	
1975	1,622,395		1984	10,625,023	
1980	7,336,328		1985	9,348,685	
1981	7,005,423		1986	10,064,662	49,355
1982	7,935,763	49,124	1987	9,552,730	57,412

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	
TOTAL	9,552,730	3,060,753	207,640	5,705,846	525,138	53,353
0134 CORN BEANS	77	77				
0911 FRESH FISH, EXCEPT SHELLFISH	238	238				
0912 SHELLFISH, EXCEPT PREPARED	31	31				
1442 SAND, GRAVEL, CRUSHED ROCK	62	62				
1499 NONMETALLIC MINERALS, NEC	30,301	30,301				
1911 ORDNANCE AND ACCESSORIES	20	20				
2031 FISH AND SHELLFISH, PREPARED	38	38				
2039 PREP FRUIT AND VEG JUICE, NEC	20	20				
2042 ANIMAL FEEDS	18	18				
2081 ALCOHOLIC BEVERAGES	43	43				
2099 MISCELLANEOUS FOOD PRODUCTS	58	57	1			
2111 TOBACCO MANUFACTURES	29		29			
2211 BASIC TEXTILE PRODUCTS	11	11				
2421 LUMBER	21,996	21,996				
2431 VENEER, PLYWOOD, WORKED WOOD	6,193	6,193				
2491 WOOD MANUFACTURES, NEC	110	110				
2511 FURNITURE AND FIXTURES	55	55				
2611 PULP	672	672				
2631 PAPER AND PAPERBOARD	1,103	1,103				
2691 PULP AND PAPER PRODUCTS, NEC	2	2				
2711 PRINTED MATTER	17	17				
2813 ALCOHOLS	62,386	58,269		4,117		
2818 SULFURIC ACID	6,300			6,300		
2819 BASIC CHEMICALS AND PROD, NEC	231,866	11,589	52	220,225		
2821 PLASTIC MATERIALS	37		37			
2823 SYNTHETIC (MAN-MADE) FIBERS	27		27			
2831 DRUGS	500			500		
2841 SUGAR	10		10			
2851 PAINTS	3	3				
2871 MISCELLANEOUS CHEMICAL PROD	665		3	662		
2911 GASOLINE	3,212,198	505,908		2,567,773	137,220	1,297
2912 JET FUEL	280,644	3,525		246,353	10,806	
2913 KEROSENE	88,357			44,887	3,470	
2914 DISTILLATE FUEL OIL	3,173,306	1,774,084		1,048,213	265,964	44,045
2915 RESIDUAL FUEL OIL	1,310,456	77,322		1,118,445	106,678	8,011
2917 NAPHTHA, PETROLEUM SOLVENTS	25,359			25,359		
2918 ASPHALT, TAR, AND BITUMENS	155,322	34,401		120,921		
3011 RUBBER AND MISCELLANEOUS PLASTIC PROD	44	44				
3111 LEATHER AND LEATHER PRODUCTS	7	7				
3211 GLASS AND GLASS PRODUCTS	3	3				
3241 BUILDING CEMENT	202,091			202,091		
3251 STRUCTURAL CLAY PRODUCTS	44	44				
3291 MISCELLANEOUS NONMETALLIC MINERAL PROD	8	8				
3311 PIG IRON	13,595	13,595				
3316 IRON, STEEL SHAPES, EXC SHEET	295,846	295,846				
3316 IRON AND STEEL PLATES, SHEETS	687	687				
3317 IRON AND STEEL PIPE AND TUBE	33,694	33,694				
3318 FERROALLOYS	23,038		23,038			
3319 IRON AND STEEL PRODUCTS, NEC	961	961				
3321 NONFERROUS METALS, NEC	635	635				
3322 COPPER ALLOYS, UNWORKED	139,192	139,192				
3323 LEAD AND ZINC, UNWORKED	39,058	39,058				
3324 ALUMINUM AND ALLOYS, UNWORKED	1,078	1,078				
3411 FABRICATED METAL PRODUCTS	4,472	4,472				
3511 MACHINERY, EXCEPT ELECTRICAL	3,517	3,517	63			
3611 ELECTRICAL MACH AND EQUIP	1,170	1,153	17			
3711 MOTOR VEHICLES, PARTS, EQUIP	78	78				
3731 SHIPS AND BOATS	265	265				
3811 INSTR, TIME, PHOTO, JET GOODS	62		62			
3911 MISCELLANEOUS MANUFACTURED PRODUCTS	99	99				
4011 IRON AND STEEL SCRAP	184,301		184,301			
4022 TEXTILE WASTE, SCRAP, SPOIL	102	102				

## NEW ENGLAND DIVISION

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## BRIDGEPORT HARBOR, CONN.

SECTION INCLUDED: MAIN HARBOR: FROM INNER BREAKWATERS TO STRATFORD AVENUE BRIDGE ABOUT 4,000 FEET. PEQUONNOK RIVER: FROM STRATFORD AVENUE BRIDGE TO HEAD OF NAVIGATION, ABOUT 1 MILE. YELLOW HILL CHANNEL: FROM A POINT ABOUT 1,800 FEET BELOW YELLOW HILL BRIDGE TO THE HEAD OF NAVIGATION, 1 MILE. JOHNSONS RIVER: FROM THE HIGHWAY BRIDGE TO HEAD OF NAVIGATION, ABOUT 1,600 FEET. BLACK ROCK HARBOR: FROM THE JUNCTION OF BURR AND CEDAR CREEKS TO HEAD OF NAVIGATION, ABOUT 4,000 FEET. CONTROLLING DEPTH: 34 FEET TO BRIDGEPORT LIGHT, THENCE 29.5 FEET TO UPSTREAM LIMIT OF THE 35-FOOT MAIN CHANNEL; 11 FEET IN THE PEQUONNOK RIVER CHANNEL; 11.6 FEET IN JOHNSONS RIVER TO UPSTREAM END OF CHANNEL; 12.9 FEET IN YELLOW HILL CHANNEL TO ABOUT 2,000 FEET UPSTREAM OF STRATFORD AVENUE BRIDGE, THENCE 5.9 FEET TO UPSTREAM LIMIT. BRANCH CHANNELS RANGE FROM 3 TO 15 FEET. 15 FEET IN BLACK ROCK HARBOR ENTRANCE CHANNEL; 15 FEET IN EAST BRANCH; 17 FEET IN WEST BRANCH. PROJECT DEPTH: MAIN HARBOR: 35 FEET FROM LONG ISLAND SOUND TO ABOUT 720 FEET BELOW STRATFORD AVENUE BRIDGE. BRANCH CHANNELS RANGE FROM 5 TO 18 FEET. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS	YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS
1978-----	3,735,609	81,630	25,055	1983-----	2,987,474	167,010	65,966
1979-----	3,243,301	175,656	50,746	1984-----	3,007,326	25,839	10,148
1980-----	3,194,613	-----	-----	1985-----	2,411,084	420,722	238,330
1981-----	3,212,851	193,534	60,260	1986-----	2,862,887	518,986	346,566
1982-----	2,722,643	101,206	30,190	1987-----	3,036,418	579,898	433,198

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	3,036,418	672,879	202	2,259,446	103,891
0121 TOBACCO, LEAF-----	10	-----	10	-----	-----
0129 FIELD CROPS, NEC-----	101	101	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	24	24	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	370	370	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	60	60	-----	-----	-----
1121 COAL AND LIGNITE-----	24,765	-----	-----	24,765	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	326,414	-----	-----	326,414	-----
1499 NONMETALLIC MINERALS, NEC-----	256	256	-----	-----	-----
1911 DRIVAGE AND ACCESSORIES-----	102	102	-----	-----	-----
ANIMAL BY-PRODUCTS, NEC-----	162	162	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	119	119	-----	-----	-----
2091 ALCOHOLIC BEVERAGES-----	64	64	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	22	22	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	29	29	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	220	220	-----	-----	-----
2311 APPAREL-----	2	2	-----	-----	-----
2421 LUMBER-----	6,088	6,013	75	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,239	5,239	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	4	4	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	75	65	10	-----	-----
2631 PAPER AND PAPERBOARD-----	33	33	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	6	6	-----	-----	-----
2711 PRINTED MATTER-----	5	1	4	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	77	77	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	5	5	-----	-----	-----
2841 SOAP-----	94	4	35	-----	-----
2851 PAINTS-----	35	35	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	10	10	-----	-----	-----
2911 GASOLINE-----	1,103,633	110,574	-----	942,337	50,742
2913 KEROSENE-----	2,880	-----	-----	2,840	-----
2914 DISTILLATE FUEL OIL-----	516,147	21,573	-----	469,695	4,889
2915 RESIDUAL FUEL OIL-----	568,769	74,437	-----	441,077	48,260
2918 ASPHALT, TAR, AND PITCHES-----	50,874	19,966	-----	31,966	-----
3011 RUBBER AND MISC PLASTIC PROD-----	15	15	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	21	21	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	15	15	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	145	145	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	29	29	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	4,847	4,847	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	352,460	352,460	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	5,735	5,735	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	29,239	29,239	-----	-----	-----
3318 FERROALLOYS-----	8	4	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	11	11	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	548	548	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	2,944	2,944	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	20,747	20,747	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	355	355	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	8,299	5,299	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,012	1,652	-----	360	-----
3611 ELECTRICAL MACH AND EQUIP-----	1,141	1,141	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	467	459	4	-----	-----
3731 SHIPS AND BOATS-----	276	276	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	20	20	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	22	12	10	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	313	313	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	55	55	-----	-----	-----
4112 COMMODITIES, NEC-----	20	20	-----	-----	-----



## Waterborne Commerce of the United States, 1987

## NORFOLK HARBOR, CONN.

SECTION INCLUDED: FROM A POINT 0.5 MILE BELOW WASHINGTON STREET BRIDGE TO HEAD OF NAVIGATION AT EAST NORFOLK AND NORFOLK. CONTROLLING DEPTH: 9.9 FEET IN THE 12-FOOT CHANNEL FROM LONG ISLAND SOUND TO OPPOSITE DOWNSTREAM END OF 10 FOOT ANCHORAGE, THENCE 8.9 FEET TO THE WASHINGTON BRIDGE; 8.4 FEET IN THE 10-FOOT CHANNEL TO I-95 BRIDGE; THENCE 5.6 FEET; 7.1 FEET IN 10 FOOT BASIN; AND 5 TO 7 FEET IN 10 FOOT ANCHORAGE. PROJECT DEPTH: 12 FEET IN CHANNEL FROM OUTER HARBOR TO WASHINGTON STREET BRIDGE, SOUTH NORFOLK, THENCE 10 FEET DEEP TO THE BASIN AT NORFOLK. ANCHORAGE ADJACENT TO 12 FOOT CHANNEL AT FITZPATRICK LIGHT, 10 FEET. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	951,047	8,276	1983-----	727,913	36,848
1979-----	617,721	138	1984-----	745,382	266
1980-----	815,465	251	1985-----	798,868	35,814
1981-----	778,652	162	1986-----	718,590	35,832
1982-----	954,388	134	1987-----	668,406	34,796

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	LOCAL
TOTAL-----	668,406	663,275	5,131
0912 SHELLFISH, EXCEPT PREPARED-----	5,131	-----	5,131
1442 SAND, GRAVEL, CRUSHED ROCK-----	123,019	123,019	-----
2911 GASOLINE-----	1,945	1,945	-----
2913 KEROSENE-----	1,399	1,399	-----
2914 DISTILLATE FUEL OIL-----	128,105	128,105	-----
2915 RESIDUAL FUEL OIL-----	408,807	408,807	-----
TOTAL TON-MILES, 2,912,699.			

## STAMFORD HARBOR, CONN.

SECTION INCLUDED: EAST AND WEST BRANCHES. CONTROLLING DEPTH: 16.0 FEET IN THE 18-FOOT ENTRANCE CHANNEL; 14.0 FEET IN THE CENTER HALF OF THE 15-FOOT ENTRANCE CHANNEL; 8.9 FEET IN THE 12-FOOT EAST BRANCH CHANNEL TO 1,100 FEET DOWNSTREAM OF THE HEAD OF NAVIGATION, THENCE 4 FEET TO THE END OF THE CHANNEL; AND 14.1 FEET IN CENTER HALF OF WEST BRANCH CHANNEL. PROJECT DEPTH: 19.0 FEET IN ENTRANCE CHANNEL TO NORTHEAST OF 18-FOOT ANCHORAGE. THENCE 15.0 FEET IN REMAINDER OF ENTRANCE CHANNEL, WEST BRANCH CHANNEL AND BASIN, 12.0 FEET IN EAST BRANCH CHANNEL, AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	1,099,790	-----	1983-----	878,982	-----
1979-----	874,736	-----	1984-----	1,069,952	-----
1980-----	844,887	1,075	1985-----	840,854	-----
1981-----	796,528	-----	1986-----	581,944	-----
1982-----	837,522	-----	1987-----	694,974	-----

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	694,974	654,886	40,088
1442 SAND, GRAVEL, CRUSHED ROCK-----	410,929	410,929	-----
2914 DISTILLATE FUEL OIL-----	162,358	162,358	-----
2918 ASPHALT, TAR, AND BITUMENS-----	61,599	61,599	-----
3011 IRON AND STEEL SCRAP-----	40,088	-----	40,088
TOTAL TON-MILES, 1,546,851.			

## NEW ENGLAND DIVISION

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## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
ANDREWS RIVER, MASS.-----	NO COMMERCE REPORTED			
ANNISQUAM RIVER, MASS.-----	NO COMMERCE REPORTED			
APPONAUG COVE, N. I.-----	NO COMMERCE REPORTED			
BAR HARBOR, MAINE-----	0141 FRESH AND FROZEN VEGETABLES-----	112		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	428		
	0912 SHELLFISH, EXCEPT PREPARED-----	1		
	2031 FISH AND SHELLFISH, PREPARED-----	2		
	2042 ANIMAL FEEDS-----	260		
	2421 LUMBER-----	25		
	2511 FURNITURE AND FIXTURES-----	8		
	2631 PAPER AND PAPERBOARD-----	44		
	2691 PULP AND PAPER PRODUCTS, NEC-----	11		
	2821 PLASTIC MATERIALS-----	2		
	3411 FABRICATED METAL PRODUCTS-----	30		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	38		
	3611 ELECTRICAL MACH AND EQUIP-----	45		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	6		
	4024 WASTE AND SCRAP-----	21		
	4112 COMMODITIES, NEC-----	136		
	9999 DEPARTMENT OF DEFENSE AND SCI-----	1		
	TOTAL-----	1,170	1,170	131,706
BASS HARBOR, MAINE-----				53,557
BEALS HARBOR, MAINE-----	NO COMMERCE REPORTED			
BELFAST HARBOR, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,203	1,203	
BEVERLY HARBOR, MASS.-----	0912 SHELLFISH, EXCEPT PREPARED-----	8	8	
BOTHBY HARBOR, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1		
	0912 SHELLFISH, EXCEPT PREPARED-----	3		
	TOTAL-----	4	8	274,652
BRANFORD HARBOR, CONN.-----	NO COMMERCE REPORTED			
BRISTOL HARBOR, N. I.-----	4112 COMMODITIES, NEC-----	639	639	81,219
BUNKER HARBOR, MAINE-----	NO COMMERCE REPORTED			
CAMDEN HARBOR, MAINE-----				1,080
CANAPITSIT CHANNEL, MASS.-----				962
CAPE PORPOISE HARBOR, MAINE-----	NO COMMERCE REPORTED			
CARVERS HARBOR, MAINE-----	2911 GASOLINE-----	357		
	2913 KEROSENE-----	77		
	2914 DISTILLATE FUEL OIL-----	620		
	TOTAL-----	1,234		87,662
CHATHAM (STAGE) HARBOR, MASS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	19,265	20,530	1,260
CLINTON HARBOR, CONN.-----	NO COMMERCE REPORTED			
COBSCOOK BAY, MAINE-----	NO COMMERCE REPORTED			
COMASSET HARBOR, MASS.-----	NO COMMERCE REPORTED			
COREA HARBOR, MAINE-----	0912 SHELLFISH, EXCEPT PREPARED-----	15	15	
CRIEHAVEN HARBOR, MAINE-----	NO COMMERCE REPORTED			
CROSS KIP SHOALS, NANTUCKET SOUND, MASS.-----	2911 GASOLINE-----	8,591		
	2912 JET FUEL-----	327		
	2913 KEROSENE-----	214		
	2914 DISTILLATE FUEL OIL-----	29,305		
	4112 COMMODITIES, NEC-----	9,711		
	TOTAL-----	47,148	94,252	39,112
CUTTYHUNK HARBOR, MASS.-----	2911 GASOLINE-----	27		
	2914 DISTILLATE FUEL OIL-----	62		
	4112 COMMODITIES, NEC-----	672		
	TOTAL-----	761	761	10,788
DAMARISCOTTA RIVER, MAINE-----	NO COMMERCE REPORTED			
DEER ISLAND THROUGHFARE, MAINE-----	2911 GASOLINE-----	7		
	2914 DISTILLATE FUEL OIL-----	58		
	TOTAL-----	65	65	
DORCHESTER BAY, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
DUXBURY HARBOR, MASS.-----	NO COMMERCE REPORTED			
EASTPORT HARBOR, MAINE-----	0141 ANIMALS AND PRODUCTS, NEC-----	692		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,256		
	0912 SHELLFISH, EXCEPT PREPARED-----	27		
	2091 VEGETABLE OILS, MARG, SHORT-----	11,573		

## Waterborne Commerce of the United States, 1987

## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
EASTPORT HARBOR, MAINE (CONTINUED)-----	2611 PULP-----	56,540	-----	-----
	2711 PRINTED MATTER-----	3	-----	-----
	2831 DRUGS-----	2	-----	-----
	2851 PAINTS-----	744	-----	-----
	2872 POTASSIC CHFM FERTILIZERS-----	25,455	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	43	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	15	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	566	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	351	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	17,712	-----	-----
	3315 IRON AND STEEL PLATES, SHEETS-----	240	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	23,749	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	124	-----	-----
	3324 ALUMINUM AND ALLOYS, UNWORKED-----	387	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	4,365	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	656	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	375	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	4,269	-----	-----
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	11	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	2	-----	-----
	4112 COMMODITIES, NEC-----	43	-----	-----
	TOTAL-----	150,202	150,202	11,988
EDGARTOWN HARBOR, MASS.-----				177,122
ESSEX RIVER, MASS.-----	NO COMMERCE REPORTED			
FALMOUTH HARBOR, MASS.-----	2711 PRINTED MATTER-----	817	-----	-----
	3731 SHIPS AND BOATS-----	55	-----	-----
	TOTAL-----	872	872	321,489
FIVEMILE RIVER HARBOR, CONN.-----	4029 WASTE AND SCRAP, NEC-----	3,710	3,710	-----
FORT POINT CHANNEL, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
GLOUCESTER HARBOR, MASS.-----	0103 CORN-----	36	-----	-----
	0131 FRESH FRUITS-----	344	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	1,019	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	199,356	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	940	-----	-----
	1121 COAL AND LIGNITE-----	108	-----	-----
	1451 CLAY-----	112	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	77	-----	-----
	2012 MEAT AND PRODUCTS, NEC-----	1	-----	-----
	2021 DAIRY PRODUCTS, NEC-----	20	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	10,783	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	41	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	12,874	-----	-----
	2041 WHEAT FLOUR AND SEMOLINA-----	255	-----	-----
	2042 ANIMAL FEEDS-----	122	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	271	-----	-----
	2092 ANIMAL OILS AND FATS, NEC-----	89	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	14	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	18	-----	-----
	2311 APPAREL-----	4	-----	-----
	2413 FUEL WOOD, CHARCOAL, WASTES-----	53	-----	-----
	2421 LUMBER-----	8	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	25	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	108	-----	-----
	2511 FURNITURE AND FIXTURES-----	24	-----	-----
	2631 PAPER AND PAPERBOARD-----	20	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	37	-----	-----
	2819 PLASTIC CHEMICALS AND PROD, NEC-----	1	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	2	-----	-----
	2914 DISTILLATE FUEL OIL-----	8,164	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	977	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	379	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	13	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	2	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	27	-----	-----
	3324 ALUMINUM AND ALLOYS, UNWORKED-----	1	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	65	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	438	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	44	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	214	-----	-----
	3731 SHIPS AND BOATS-----	1	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	23	-----	-----
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	4	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	31	-----	-----
	4112 COMMODITIES, NEC-----	54	-----	-----
	TOTAL-----	237,227	602,871	4,966
GREAT SALT POND, BLOCK ISLAND, N. I.-----				3,326
GREEN HARBOR, MASS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	6	-----	-----
	TOTAL-----	11	11	39,184
GREENWICH BAY, N. I.-----	NO COMMERCE REPORTED			
GREENWICH HARBOR, CONN.-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,216	-----	-----
	2914 DISTILLATE FUEL OIL-----	3,861	-----	-----
	TOTAL-----	5,077	9,293	208,969

## NEW ENGLAND DIVISION

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## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
GUILFORD HARBOR, CONN.,-----	NO COMMERCE REPORTED			
HAMPTON HARBOR, N. H.,-----				10,044
HARBOR OF REFUGE AT SANDY BAY, CAPE ANN, MASS.,-----	0912 SHELLFISH, EXCEPT PREPARED-----	12		60
HARBOR OF REFUGE, BLOCK ISLAND, R. I.,-----	4112 COMMODITIES, NEC-----	7,914	7,914	579,860
HARBOR OF REFUGE, NANTUCKET, MASS.,-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	22,200		
	2911 GASOLINE-----	10,306		
	2912 JET FUEL-----	794		
	2913 KEROSENE-----	214		
	2914 DISTILLATE FUEL OIL-----	31,498		
	4112 COMMODITIES, NEC-----	131,853		
	TOTAL-----	196,865	393,730	662,952
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, R. I.,-----	4112 COMMODITIES, NEC-----	7,480	7,480	483,868
HARRABEEKET RIVER, MAINE-----	NO COMMERCE REPORTED			
HAY (WEST) HARBOR, N. Y.,-----	4029 WASTE AND SCRAP, NEC-----	6,915		
	4112 COMMODITIES, NEC-----	2,139		
	TOTAL-----	9,054	18,108	128,598
HENDRICKS HARBOR, MAINE-----	NO COMMERCE REPORTED			
HINGHAM HARBOR, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
HOUSATONIC RIVER, CONN.,-----	2915 RESIDUAL FUEL OIL-----	221,494	1,107,470	
HYANNIS HARBOR, MASS.,-----	4112 COMMODITIES, NEC-----	123,142	246,284	1,005,406
IPSWICH RIVER, MASS.,-----	NO COMMERCE REPORTED			
ISLE AU HAUT THOROUGHFARE, MAINE-----	2911 GASOLINE-----	33		
	2913 KEROSENE-----	47		
	2914 DISTILLATE FUEL OIL-----	4		
	4112 COMMODITIES, NEC-----	637		
	TOTAL-----	721	721	36,173
ISLE OF SHOALS HARBOR, ME. AND N. H.,-----				16,032
JOSIAS RIVER, MAINE-----	NO COMMERCE REPORTED			
KENNEBEC RIVER, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,064		
	3411 FABRICATED METAL PRODUCTS-----	38		
	TOTAL-----	1,102	15,390	556
KENNEBUNK RIVER, MAINE-----	NO COMMERCE REPORTED			
LAGOON POND, MARTHA S VINEYARD, MASS.,-----	2414 TIMBER, POSTS, POLES, PILING-----	3		
	2421 LUMBER-----	10		
	3011 RUBBER AND MISC PLASTIC PROD-----	1		
	3411 FABRICATED METAL PRODUCTS-----	3		
	TOTAL-----	17	17	
LUBEC CHANNEL, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5	5	843,762
LYNN HARBOR, MASS.,-----	2912 JET FUEL-----	1,068	2,136	
MACIAS RIVER, MAINE-----	NO COMMERCE REPORTED			
MALOEN RIVER, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
MANCHESTER HARBOR, MASS.,-----	NO COMMERCE REPORTED			
MARBLEHEAD HARBOR, MASS.,-----	NO COMMERCE REPORTED			
MATINICUS HARBOR, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	134		
	1491 SALT-----	58		
	2911 GASOLINE-----	54		
	2913 KEROSENE-----	36		
	2914 DISTILLATE FUEL OIL-----	212		
	TOTAL-----	493	493	
MATTAPOISETT HARBOR, MASS.,-----	NO COMMERCE REPORTED			
MEHENSMA CREEK, MARTHA S VINEYARD, MASS.,-----				36
MILFORD HARBOR, CONN.,-----	NO COMMERCE REPORTED			
MOOSABEC BAR, MAINE-----	NO COMMERCE REPORTED			
MYSTIC RIVER, CONN.,-----	4029 WASTE AND SCRAP, NEC-----	25,835	25,835	135,096
NARRAGUAGUS RIVER, MAINE-----	NO COMMERCE REPORTED			
NEPONSET RIVER, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
NEW HARBOR, MAINE-----				4,344
NEWBURYPORT HARBOR, MASS.,-----				63,120

## Waterborne Commerce of the United States, 1987

## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
VIAITIC BAY AND HARBOR, CONN.-----	-----	-----	-----	13,872
NORTHEAST HARBOR, MAINE-----	-----	-----	-----	54,996
DALS HEAD HARBOR, MAINE-----	NO COMMERCE REPORTED			
PATCHOGUE RIVER, CONN.-----	NO COMMERCE REPORTED			
PAWCATUCK RIVER, R. I. AND CONN.-----	NO COMMERCE REPORTED			
PIG ISLAND GUT, MAINE-----	NO COMMERCE REPORTED			
PLEASANT BAY MASS.-----	NO COMMERCE REPORTED			
PLEASANT RIVER, MAINE-----	NO COMMERCE REPORTED			
PLYMOUTH HARBOR, MASS. (INCLUDING NORTH PLYMOUTH)-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,306	2,612	3,430
PROVINCETOWN HARBOR, MASS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	12,463	24,926	-----
RED BROOK HARBOR, BOURNE, MASS.-----	NO COMMERCE REPORTED			
ROCKLAND HARBOR, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	215	-----	-----
	2911 GASOLINE-----	1,697	-----	-----
	2913 KEROSENE-----	513	-----	-----
	2914 DISTILLATE FUEL OIL-----	3,211	-----	-----
	TOTAL-----	5,836	11,999	126,139
ROCKPORT HARBOR, MAINE-----	NO COMMERCE REPORTED			
ROCKPORT HARBOR, MASS.-----	0912 SHELLFISH, EXCEPT PREPARED-----	12	12	60
ROYAL RIVER, MAINE-----	NO COMMERCE REPORTED			
RYE HARBOR, NEW HAMPSHIRE-----	NO COMMERCE REPORTED			
SACO RIVER, MAINE-----	NO COMMERCE REPORTED			
SAKONNET RIVER AND HARBOR, R. I.-----	NO COMMERCE REPORTED			
SCARBORO RIVER, MAINE-----	NO COMMERCE REPORTED			
SCITUATE HARBOR, MASS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,787	1,787	-----
SEEKONK RIVER, R. I.-----	NO COMMERCE REPORTED			
SOUTH BRISTOL HARBOR, MAINE-----	NO COMMERCE REPORTED			
SOUTHWEST HARBOR, MAINE-----	2911 GASOLINE-----	76	-----	-----
	2914 DISTILLATE FUEL OIL-----	219	-----	-----
	TOTAL-----	295	885	720
ST. CROIX RIVER, MAINE-----	NO COMMERCE REPORTED			
STOCKTON HARBOR, MAINE (INCLUDED IN PENOBSCOT RIVER, MAINE)-----	NO COMMERCE REPORTED			
STONINGTON HARBOR, CONN.-----	NO COMMERCE REPORTED			
STONINGTON HARBOR, MAINE-----	2911 GASOLINE-----	7	-----	-----
	2914 DISTILLATE FUEL OIL-----	58	-----	-----
	4112 COMMODITIES, NEC-----	637	-----	-----
	TOTAL-----	702	767	36,173
STONY CREEK, CONN.-----	NO COMMERCE REPORTED			
TAUNTON RIVER, MASS.-----	NO COMMERCE REPORTED			
TENANTS HARBOR, MAINE-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	157	-----	-----
	1491 SALT-----	67	-----	-----
	TOTAL-----	224	224	-----
THOMASTON HARBOR (GEORGES RIVER), MAINE-----	NO COMMERCE REPORTED			
TOWN RIVER, MASS. (INCLUDED IN PORT OF BOSTON)-----	2914 DISTILLATE FUEL OIL-----	84,115	-----	-----
	2915 RESIDUAL FUEL OIL-----	5,836	-----	-----
	TOTAL-----	89,951	89,951	-----
WAREHAM HARBOR, MASS.-----	NO COMMERCE REPORTED			
WARREN RIVER, R. I.-----	-----	-----	-----	2,856
WARRICK COVE, WARRICK, R. I.-----	NO COMMERCE REPORTED			
WELLFLEET HARBOR, MASS.-----	NO COMMERCE REPORTED			
WESTPORT HARBOR AND SAUGATUCK RIVER, CONN.-----	NO COMMERCE REPORTED			
WESTPORT RIVER, MASS.-----	2414 TIMBER, POSTS, POLES, PILING-----	4	-----	-----
	2421 LUMBER-----	13	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	1	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	1	-----	-----
	TOTAL-----	19	19	-----

# NEW ENGLAND DIVISION

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## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
MEYMOUTH BACK RIVER, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
WICKFORD HARBOR, R. I.,-----	NO COMMERCE REPORTED			
WINTHROP HARBOR, MASS. (INCLUDED IN PORT OF BOSTON)-----	NO COMMERCE REPORTED			
MOOD ISLAND HARBOR, MAINE AND THE POOL AT BIDDEFORD-----	NO COMMERCE REPORTED			
YORK HARBOR, MAINE-----	2914 DISTILLATE FUEL OIL-----	36	-----	-----
NONPROJECT				
ISLAND END RIVER, MASS. (INCLUDED IN PORT OF BOSTON)-----	0912 SHELLFISH, EXCEPT PREPARED-----	40,579	-----	-----
	3241 BUILDING CEMENT-----	11,755	-----	-----
	TOTAL-----	52,334	11,755	-----

# Waterborne Commerce of the United States, 1987

## NEW YORK, NY, DISTRICT

### PORT CHESTER HARBOR, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM LONG ISLAND SOUND TO A POINT 100 FEET BELOW MILL STREET BRIDGE. CONTROLLING DEPTH: 10.0 FEET FROM LONG ISLAND SOUND TO UPPER LIMIT OF 12-FOOT PROJECT; BALANCE OF WATERWAY RANGES FROM 1 TO 10 FEET; 6 FEET IN ANCHORAGE AREA. PROJECT DEPTH: 12, 10 AND 3 FEET; 12 FEET IN ANCHORAGE AREA. ALL AT MEAN LOW WATER. PROJECT LENGTH: 1.7 MILES.

#### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	384,550	1983-----	270,120
1979-----	267,447	1984-----	377,096
1980-----	343,533	1985-----	305,802
1981-----	340,032	1986-----	210,300
1982-----	309,538	1987-----	311,415

#### FREIGHT TRAFFIC, 1987

##### DOMESTIC

##### (SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL	LOCAL
		RECEIPTS	RECEIPTS	
TOTAL-----	311,415	9,327	132,884	169,204
1442 SAND, GRAVEL, CRUSHED ROCK-----	230,769	9,327	132,884	88,558
2911 GASOLINE-----	879			879
2914 DISTILLATE FUEL OIL-----	79,767			79,767
TOTAL TON-MILES, 322,531.				

### EAST CHESTER CREEK, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM LONG ISLAND SOUND TO CANAL STREET. CONTROLLING DEPTH: 8 FEET FROM LONG ISLAND SOUND TO A POINT OPPOSITE TURTLE COVE; BALANCE OF WATERWAY RANGES FROM 0.7 TO 8 FEET. PROJECT DEPTH: MAINTAINED TO 8.0 FEET. ALL MEAN LOW WATER. PROJECT LENGTH: 5 MILES.

#### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,627,502	1983-----	1,635,587
1979-----	1,460,460	1984-----	1,730,178
1980-----	1,653,399	1985-----	1,605,089
1981-----	1,596,347	1986-----	1,451,059
1982-----	1,549,074	1987-----	1,517,216

#### FREIGHT TRAFFIC, 1987

##### DOMESTIC

##### (SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL	LOCAL
		RECEIPTS	RECEIPTS	
TOTAL-----	1,517,216	8,333	72,181	1,436,702
1442 SAND, GRAVEL, CRUSHED ROCK-----	123,689	8,333	72,181	43,175
2911 GASOLINE-----	1,016,226			1,016,226
2913 KEROSENE-----	1,359			1,359
2914 DISTILLATE FUEL OIL-----	343,706			343,706
2915 RESIDUAL FUEL OIL-----	6,907			6,907
4011 IRON AND STEEL SCRAP-----	25,329			25,329
TOTAL TON-MILES, 7,307,194.				

### BRONX RIVER, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM EAST RIVER TO EAST 172ND STREET. CONTROLLING DEPTH: 10 FEET FROM EAST RIVER TO BRUCKNER BOULEVARD BRIDGE; BALANCE OF WATERWAY RANGES 1.3 TO 7.5 FEET. PROJECT DEPTH: 10 FEET; ALL AT MEAN LOW WATER; PROJECT LENGTH: 2.6 MILES.

#### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	292,085	121,570	1983-----	170,416	285,890
1979-----	243,029	267,210	1984-----	357,969	249,930
1980-----	318,781	240,480	1985-----	308,727	243,432
1981-----	338,931	132,380	1986-----	289,974	249,988
1982-----	264,786	317,420	1987-----	283,736	258,034

## BRONX RIVER, N. Y. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL	LOCAL
		RECEIPTS	RECEIPTS	
TOTAL-----	283,736	6,216	192,824	84,696
1442 SAND, GRAVEL, CRUSHED ROCK-----	213,527	6,216	192,824	14,487
4011 IRON AND STEEL SCRAP-----	70,209	-----	-----	70,209
TOTAL TON-MILES, 567,472.				

## WESTCHESTER CREEK, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM EAST RIVER TO EAST TREMONT AVENUE BRIDGE. CONTROLLING DEPTH: 12 FEET FROM EAST RIVER TO UPSTREAM LIMIT PROJECT. PROJECT DEPTH: 12 FEET IN CHANNEL AND TURNING BASIN. ALL AT MEAN LOW WATER. PROJECT LENGTH: 2.6 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	589,926	1983-----	368,627
1979-----	524,337	1984-----	383,787
1980-----	574,145	1985-----	285,695
1981-----	548,428	1986-----	248,687
1982-----	487,224	1987-----	258,177

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	LOCAL
TOTAL-----	258,177
2911 GASOLINE-----	95,374
2914 DISTILLATE FUEL OIL-----	150,930
2915 RESIDUAL FUEL OIL-----	11,873
TOTAL TON-MILES, 620,909.	

## FLUSHING BAY AND CREEK, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM DEEP WATER IN EAST RIVER TO ROOSEVELT AVENUE BRIDGE. CONTROLLING DEPTH: 15 FEET FROM EAST RIVER TO JUNCTION WITH BRANCH CHANNEL; BALANCE OF WATERWAY RANGES FROM 2 TO 14 FEET. PROJECT DEPTH: 15 FEET IN BAY, BRANCH AND CREEK CHANNELS, AND MANEUVERING AREA, AND 6 FEET IN ANCHORAGE AREA. ALL AT MEAN LOW WATER. PROJECT LENGTH: 2.9 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,909,110	1983-----	1,465,328
1979-----	1,583,917	1984-----	1,701,245
1980-----	1,660,286	1985-----	1,697,692
1981-----	1,464,454	1986-----	1,984,221
1982-----	1,451,735	1987-----	1,768,173

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL	LOCAL
		RECEIPTS	RECEIPTS	
TOTAL-----	1,768,173	21,249	387,904	1,359,020
1442 SAND, GRAVEL, CRUSHED ROCK-----	237,023	10,575	226,448	-----
2911 GASOLINE-----	2,589	-----	-----	2,589
2913 KEROSENE-----	4,840	-----	-----	4,840
2914 DISTILLATE FUEL OIL-----	374,309	-----	-----	374,309
2915 RESIDUAL FUEL OIL-----	203,912	-----	-----	203,912
3241 BUILDING CEMENT-----	185,980	10,674	161,456	13,850
4029 WASTE AND SCRAP, NEC-----	759,520	-----	-----	759,520
TOTAL TON-MILES, 3,839,139.				



# Waterborne Commerce of the United States, 1987

HARLEM RIVER, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM EAST RIVER TO HUDSON RIVER, CONTROLLING DEPTH: 15 FEET FROM EAST RIVER TO SPUYTEN DUYVIL R. R. BRIDGE; BALANCE OF WATERWAY RANGES FROM 14 TO 15 FEET. PROJECT DEPTH: 15 AND 18 FEET; ALL AT MEAN LOW WATER; PROJECT LENGTH: 7.6 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	400,744	-----	1983-----	568,506	361,208
1979-----	414,869	-----	1984-----	593,551	663,954
1980-----	598,593	-----	1985-----	810,758	777,847
1981-----	575,224	-----	1986-----	781,283	887,424
1982-----	536,695	-----	1987-----	681,909	786,784

## FREIGHT TRAFFIC, 1987

### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		LOCAL
		RECEIPTS	RECEIPTS	
TOTAL-----	681,909	105,952	157,377	418,580
1442 SAND, GRAVEL, CRUSHED ROCK-----	345,569	105,952	157,377	82,240
2914 DISTILLATE FUEL OIL-----	166,826	-----	-----	166,826
2915 RESIDUAL FUEL OIL-----	169,514	-----	-----	169,514
TOTAL TON-MILES, 2,687,444.				

HUDSON RIVER, N. Y. (LOWER SECTION) (INCLUDED IN PORT OF NEW YORK, ALSO INCLUDED IN STATISTICS FOR HUDSON RIVER)

SECTION INCLUDED: FROM UPPER NEW YORK CITY LIMITS TO TARRYTOWN; NOT INCLUDING THE LATTER. CONTROLLING DEPTH: 32 FEET MEAN LOW WATER. PROJECT DEPTH: 34 FEET IN ROCK AND 32 FEET IN SOFT MATERIAL. PROJECT LENGTH: 13.3 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	587,443	654,905	23,845,993	1983-----	574,823	913,206	16,037,220
1979-----	753,949	1,116,936	22,113,861	1984-----	1,103,641	822,665	17,267,309
1980-----	641,331	1,104,469	21,569,420	1985-----	1,110,139	780,133	15,616,501
1981-----	874,533	1,012,391	16,153,609	1986-----	915,669	1,156,426	16,561,192
1982-----	742,957	879,686	15,967,584	1987-----	849,204	1,044,336	16,570,412

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	SHIPMENTS	
TOTAL-----	849,204	127,735	6,279	220,198	272,502	20,490
0161 ANIMALS AND PRODUCTS, NEC-----	23	-----	23	-----	-----	-----
2061 SUGAR-----	347,806	127,608	-----	220,198	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	35	-----	35	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	2	-----	2	-----	-----	-----
2311 APPAREL-----	6	-----	6	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	1,169	-----	1,169	-----	-----	-----
2711 PRINTED MATTER-----	12	-----	12	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	235	-----	235	-----	-----	-----
2821 PLASTIC MATERIALS-----	837	-----	837	-----	-----	-----
2822 SYNTHETIC RUBBER-----	1	-----	1	-----	-----	-----
2841 SOAP-----	8	-----	8	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	272	-----	272	-----	-----	-----
2911 GASOLINE-----	67,331	-----	-----	-----	3,260	64,071
2914 DISTILLATE FUEL OIL-----	109,603	-----	-----	-----	-----	109,603
2915 RESIDUAL FUEL OIL-----	25,798	-----	-----	-----	-----	25,798
2916 LUBRICATING OILS AND GREASES-----	18	-----	-----	-----	-----	18
2921 LIQUEFIED GASES-----	4	-----	4	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	3	-----	3	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	10	8	2	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	39	-----	39	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	357	-----	357	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	201	-----	201	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	576	99	477	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	93	11	82	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	10	-----	10	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	3	-----	3	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6	-----	6	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	4,501	-----	4,501	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	290,242	-----	-----	-----	269,242	21,000
4112 COMMODITIES, NEC-----	3	3	-----	-----	-----	-----
TOTAL TON-MILES, 287,567,444.						

## NEW YORK, NY, DISTRICT

29

HUDSON RIVER CHANNEL, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM DEEP WATER IN UPPER BAY TO A POINT OPPOSITE WEST 156TH STREET, MANHATTAN, CONTROLLING DEPTH: 39 TO 43 FEET, 2,000 TO 3,600 FEET WIDE FROM DEEP WATER IN THE UPPER BAY TO WEST 40TH STREET; BALANCE OF WATERWAY RANGES FROM 38 TO 48 FEET, 21.0 TO 30.0 FEET IN WEEMANKEE-EDGEWATER CHANNEL. PROJECT DEPTH AND LENGTH: 80 FEET, 45 FEET AND 48 FEET FROM UPPER BAY TO OPPOSITE WEST 59TH STREET; 6 MILES, 30 FEET IN WEEMANKEE-EDGEWATER CHANNEL; 5 MILES, ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC RAILROAD FREIGHT CARS					
				RECEIPTS		SHIPMENTS		LOCAL	
				EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED
1978	4,361,558	3,672,040	24,406,823	6,820	988	282	8,262	-----	-----
1979	4,128,937	3,582,377	22,842,905	785	6,423	6,241	867	-----	-----
1980	4,115,321	4,294,749	22,158,091	4,236	4,506	-----	199	-----	-----
1981	3,287,712	4,315,141	16,997,746	-----	-----	-----	-----	-----	-----
1982	3,423,164	4,140,978	16,527,569	-----	-----	-----	-----	-----	-----
1983	2,844,721	3,723,898	16,459,514	-----	-----	-----	-----	-----	-----
1984	2,894,534	2,472,277	18,262,877	2,237	928	593	2,203	-----	-----
1985	2,928,362	1,738,158	16,644,574	3,262	364	164	2,359	3,426	2,723
1986	3,018,565	7,368,029	17,372,096	3,485	348	39	4,408	-----	-----
1987	3,039,312	10,811,652	17,401,850	3,534	493	294	3,684	3,828	4,077

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				RECEIPTS	RECEIPTS	SHIPMENTS	
TOTAL-----	3,039,312	986,083	354,219	4,507	14,506	195,695	1,484,302
0103 CORN-----	65	-----	65	-----	-----	-----	-----
0105 RICE-----	1,695	1,695	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	1,364	1,353	11	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	107	42	65	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	556	513	43	-----	-----	-----	-----
0131 FRESH FRUITS-----	472	257	215	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	3,294	3,228	66	-----	-----	-----	-----
0133 COFFEE-----	4,169	3,572	597	-----	-----	-----	-----
0134 COCOA BEANS-----	5	5	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	1,510	1,064	446	-----	-----	-----	-----
0151 LIVE ANIMALS-----	88	88	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	6,183	3,216	2,967	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	252	248	4	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	11,204	10,779	425	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	2,926	2,723	203	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	7,395	7,228	167	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,496	4,879	617	-----	-----	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	51	51	-----	-----	-----	-----	-----
1051 ALUMINUM DRES, CONCENTRATES-----	458	127	331	-----	-----	-----	-----
1091 NONFERROUS DRES, CONCENT, NEC-----	1,343	311	1,032	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	36,761	-----	-----	-----	-----	-----	36,761
1411 LIMESTONE-----	23	-----	23	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	82	-----	82	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	99,494	259	269	4,507	14,506	-----	79,953
1451 CLAY-----	1,088	402	686	-----	-----	-----	-----
1491 SALT-----	43	43	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	425	-----	425	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	82	30	52	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	6,947	5,316	1,631	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	604	482	122	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	2,406	1,061	1,345	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	1,624	1,502	122	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,464	-----	1,464	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	3,603	1,394	2,209	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	5,426	5,399	27	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	340	10	330	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	10,870	10,813	57	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	94,693	94,185	508	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	25,273	24,881	392	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	29	-----	29	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	2,393	735	1,658	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	28,782	26,061	2,721	-----	-----	-----	-----
2061 SUGAR-----	6	5	1	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	109,285	108,791	494	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	20,841	20,213	628	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	644	560	84	-----	-----	-----	-----
2095 ICE-----	4,229	4,229	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	41,187	39,874	1,313	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	68	47	21	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	29,127	16,888	3,239	-----	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	443	443	-----	-----	-----	-----	-----
2311 APPAREL-----	13,779	13,324	455	-----	-----	-----	-----
2411 LOGS-----	794	70	724	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	114	-----	114	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	310	310	-----	-----	-----	-----	-----
2415 PULPMOOD, LOG-----	101	-----	101	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	387	91	296	-----	-----	-----	-----
2421 LUMBER-----	6,090	943	5,147	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,231	1,202	29	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	5,663	5,619	44	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	28,066	27,406	660	-----	-----	-----	-----
2611 PULP-----	1,986	121	1,865	-----	-----	-----	-----

HUDSON RIVER CHANNEL, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS SHIPMENTS	
2621 STANDARD NEWSPRINT PAPER-----	228	228	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	29,581	14,927	14,654	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	5,659	3,071	2,588	-----	-----	-----
2711 PRINTED MATTER-----	19,621	11,575	8,046	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	9,415	9,394	21	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	949	-----	949	-----	-----	-----
2813 ALCOHOLS-----	1,225	747	478	-----	-----	-----
2817 BENZENE AND TOLUENE-----	1	-----	1	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	46,777	29,438	17,339	-----	-----	-----
2821 PLASTIC MATERIALS-----	47,423	18,457	28,966	-----	-----	-----
2822 SYNTHETIC RUBBER-----	4,851	2,558	2,293	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	4,650	4,086	164	-----	-----	-----
2931 DRUGS-----	3,042	2,391	651	-----	-----	-----
2841 SOAP-----	9,247	3,638	5,609	-----	-----	-----
2851 PAINTS-----	9,262	7,479	1,783	-----	-----	-----
2861 GUM AND GUM CHEMICALS-----	560	489	71	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	18	2	16	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	181	41	140	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	1,479	696	783	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	146	60	86	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	16,793	4,363	12,430	-----	-----	-----
2911 GASOLINE-----	1,998	-----	453	-----	-----	1,545
2913 KEROSENE-----	29,722	134	20	-----	-----	29,568
2914 DISTILLATE FUEL OIL-----	146,941	-----	-----	-----	-----	146,941
2915 RESIDUAL FUEL OIL-----	132,478	16,901	-----	-----	-----	115,577
2916 LUBRICATING OILS AND GREASES-----	4,558	126	4,138	-----	-----	294
2917 NAPHTHA, PETROLEUM SOLVENTS-----	113	-----	113	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	157	106	51	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	189	186	3	-----	-----	-----
2921 LIQUEFIED GASES-----	286	31	255	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	119	-----	119	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,495	1,840	496	-----	-----	159
3011 RUBBER AND MISC PLASTIC PROD-----	34,332	31,126	3,206	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	17,736	16,160	1,576	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	16,004	13,583	2,421	-----	-----	-----
3241 BUILDING CEMENT-----	78	-----	78	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	22,229	21,685	544	-----	-----	-----
3241 CUT STONE AND STONE PRODUCTS-----	48,668	48,629	39	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	19,752	18,391	1,361	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	5,637	5,564	73	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	12,382	11,956	426	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	15,361	-----	15,361	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,535	1,340	195	-----	-----	-----
3318 FERROALLOYS-----	294	111	183	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,477	5,936	541	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	8,035	7,599	436	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	6,713	5,639	1,074	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	940	675	265	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,901	1,907	994	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	69,882	64,783	5,099	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	58,002	42,761	15,241	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	49,236	40,608	8,628	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	17,033	11,364	5,669	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	826	120	706	-----	-----	-----
3731 SHIPS AND BOATS-----	1,216	852	354	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	823	533	290	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	16,882	9,305	7,577	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	32,679	30,822	1,857	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	31,242	-----	31,242	-----	-----	18,530
4012 NONFERROUS METAL SCRAP-----	18,430	240	18,190	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	9,397	164	9,233	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	92,598	-----	92,598	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	952,055	-----	-----	-----	195,605	756,360
4112 COMMODITIES, NEC-----	312,499	6,768	7,107	-----	-----	298,614
9999 DEPARTMENT OF DEFENSE AND SCI-----	849	-----	849	-----	-----	-----
TOTAL TON-MILES, 206,144,624.						

EAST RIVER, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM UPPER NEW YORK BAY TO THROGS NECK, CONTROLLING DEPTH: 40 FEET FROM UPPER BAY TO WALLABOUT CHANNEL;  
BALANCE OF WATERWAY RANGES FROM 20 TO 35 FEET. PROJECT DEPTH: 40 FEET TO FORMER BROOKLYN NAVY YARD; 35 FEET ABOVE THE FORMER  
BROOKLYN NAVY YARD. ALL AT MEAN LOW WATER. PROJECT LENGTH: ABOUT 16 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC						AUTOMOBILES ACCOMPANYING PASSENGERS
				RAILROAD FREIGHT CARS				LOCAL		
				RECEIPTS		SHIPMENTS		EMPTY	LOADED	
				EMPTY	LOADED	EMPTY	LOADED			
1978-----	16,193,452	18,635,431	29,000,787	282	8,262	6,820	988	-----	-----	626,489
1979-----	14,676,735	19,262,175	24,627,148	6,241	867	785	6,423	-----	-----	599,084
1980-----	14,569,469	19,253,933	30,053,102	6,159	5,368	4,817	6,550	-----	-----	679,807
1981-----	12,880,540	20,462,451	29,427,108	1,591	6,765	6,554	1,946	-----	-----	-----
1982-----	11,957,435	19,930,280	31,069,134	1,852	8,016	7,478	2,200	-----	-----	456,725
1983-----	11,664,349	20,889,111	27,307,602	31	381	415	22	-----	-----	408,219
1984-----	11,195,605	21,440,401	32,372,439	593	2,203	2,237	928	-----	-----	408,219
1985-----	7,079,562	24,523,565	31,408,399	164	2,359	3,262	364	3,426	2,723	453,000
1986-----	7,534,392	25,146,215	30,290,884	30	4,408	3,455	348	-----	-----	478,818
1987-----	9,016,901	25,748,276	29,596,926	294	3,684	3,534	493	3,828	4,177	310,000

## NEW YORK, NY, DISTRICT

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EAST RIVER, N. Y. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
TOTAL-----	9,016,901	1,618,411	57,302	927,533	142,213	52,014	1,030,117	4,385,311	
0121 TOBACCO, LEAF-----	196	196							
0131 FRESH FRUITS-----	10		10						
0132 AVOCADOS AND PLANTAINS-----	130,888	130,888							
0133 COFFEE-----	10,277	10,277							
0141 FRESH AND FROZEN VEGETABLES-----	66		66						
0161 ANIMALS AND PRODUCTS, NEC-----	325	147	178						
0841 CRUDE RUBBER AND ALLIED GUMS-----	1		1						
0861 FOREST PRODUCTS, NEC-----	433	371	62						
0911 FRESH FISH, EXCEPT SHELLFISH-----	96	94	2						
0912 SHELLFISH, EXCEPT PREPARED-----	532	532							
1051 ALUMINUM ORES, CONCENTRATES-----	12		12						
1091 NONFERROUS ORES, CONCENT, NEC-----	39	39							
1442 SAND, GRAVEL, CRUSHED ROCK-----	54,423		26			4,063		50,334	
1451 CLAY-----	795		795						
1491 SALT-----	18,188	18,188							
1494 GYPSUM, CRUDE AND PLASTERS-----	23,589	23,589							
1499 NONMETALLIC MINERALS, NEC-----	133	109	24						
1911 ORDNANCE AND ACCESSORIES-----	107	57	50						
2011 MEAT, FRESH, CHILLED, FROZEN-----	74		74						
2012 MEAT AND PRODUCTS, NEC-----	40	40							
2014 TALLOW, ANIMAL FATS AND OILS-----	2,173		2,173						
2015 ANIMAL BY-PRODUCTS, NEC-----	42		42						
2021 DAIRY PRODUCTS, NEC-----	21	12	9						
2022 DRIED MILK AND CREAM-----	31		31						
2031 FISH AND SHELLFISH, PREPARED-----	347	198	149						
2034 VEGETABLES AND PREP, NEC-----	797	676	121						
2039 PREP FRUIT AND VEG JUICE, NEC-----	37,481	37,364	117						
2042 ANIMAL FEEDS-----	70	18	52						
2049 GRAIN MILL PRODUCTS, NEC-----	266	85	181						
2061 SUGAR-----	263,853	164,497	50	99,306					
2081 ALCOHOLIC BEVERAGES-----	529	325	204						
2091 VEGETABLE OILS, MARG, SHORT-----	1,552	1,286	9					257	
2092 ANIMAL OILS AND FATS, NEC-----	1,370		1,370						
2095 ICE-----	282	282							
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,215	2,994	221						
2111 TOBACCO MANUFACTURES-----	56	2	54						
2211 BASIC TEXTILE PRODUCTS-----	3,125	2,038	1,087						
2212 TEXTILE FIBERS, NEC-----	37	37							
2311 APPAREL-----	210	206	4						
2411 LOGS-----	21		21						
2413 FUEL WOOD, CHARCOAL, WASTES-----	20		20						
2421 LUMBER-----	79,824	79,755	69						
2431 VENEER, PLYWOOD, WORKED WOOD-----	23	7	16						
2491 WOOD MANUFACTURES, NEC-----	140	133	7						
2511 FURNITURE AND FIXTURES-----	685	592	93						
2631 PAPER AND PAPERBOARD-----	1,815	53	1,762						
2691 PULP AND PAPER PRODUCTS, NEC-----	123	19	104						
2711 PRINTED MATTER-----	396		396						
2812 DYES, PIGMENT, TANNING MATS-----	124		124						
2813 ALCOHOLS-----	348	26	322						
2819 BASIC CHEMICALS AND PROD, NEC-----	3,379	1,281	2,098						
2821 PLASTIC MATERIALS-----	1,601	552	1,049						
2822 SYNTHETIC RUBBER-----	790		790						
2823 SYNTHETIC (MAN-MADE) FIBERS-----	35	35							
2831 DRUGS-----	120	6	114						
2841 SOAP-----	817	382	435						
2851 PAINTS-----	151		151						
2861 GUM AND WOOD CHEMICALS-----	62		62						
2876 INSECTICIDES, DISINFECTANTS-----	155		155						
2891 MISCELLANEOUS CHEMICAL PROD-----	491	15	476						
2911 GASOLINE-----	61,895	39,480	11		16			22,388	
2912 JET FUEL-----	9,492							9,492	
2913 KEROSENE-----	24,515						2,844	21,671	
2914 DISTILLATE FUEL OIL-----	1,112,837	96,348		34,911	40,167	3,715	27,215	910,481	
2915 RESIDUAL FUEL OIL-----	3,624,468	578,665		728,512	102,030		34,041	2,181,220	
2916 LUBRICATING OILS AND GREASES-----	1,064		176					888	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	18		18						
2918 ASPHALT, TAR, AND BITUMENS-----	144,939	11,193		64,804		44,236		24,706	
2921 LIQUEFIED GASES-----	9,373	9,373							
2991 PETROLEUM AND COAL PROD, NEC-----	4,461	629						3,832	
3011 RUBBER AND MISC PLASTIC PROD-----	2,427	2,229	198						
3111 LEATHER AND LEATHER PRODUCTS-----	146	108	38						
3211 GLASS AND GLASS PRODUCTS-----	1,451	1,436	15						
3241 BUILDING CEMENT-----	390,279	390,279							
3251 STRUCTURAL CLAY PRODUCTS-----	1,251	1,244	7						
3281 CUT STONE AND STONE PRODUCTS-----	257	249	8						
3291 MISC NONMETALLIC MINERAL PROD-----	1,075	1,012	63						
3314 IRON AND STEEL PRIMARY FORMS-----	15		15						
3315 IRON, STEEL SHAPES, EXC SHEET-----	548	548							
3316 IRON AND STEEL PLATES, SHEETS-----	47		47						
3317 IRON AND STEEL PIPE AND TUBE-----	57	16	41						
3318 FERROALLOYS-----	97	97							
3319 IRON AND STEEL PRODUCTS, NEC-----	195	66	129						
3321 NONFERROUS METALS, NEC-----	45		45						
3322 COPPER ALLOYS, UNWORKED-----	3,442	3,916	26						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	110	32	78						
3411 FABRICATED METAL PRODUCTS-----	1,272	436	836						
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,440	1,363	1,077						
3611 ELECTRICAL MACH AND EQUIP-----	2,431	1,414	1,017						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,054	393	661						
3721 AIRCRAFT AND PARTS-----	21		21						
3731 SHIPS AND BOATS-----	13		13						

## Waterborne Commerce of the United States, 1987

EAST RIVER, N. Y. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY		TOTAL	FOREIGN		DOMESTIC				LOCAL
			IMPORTS	EXPORTS	COASTWISE		INTERNAL		
					RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3791	MISC TRANSPORTATION EQUIPMENT-----	267	148	119	-----	-----	-----	-----	-----
3811	INSTR, TIME, PHOTO, OPT GOODS-----	144	24	120	-----	-----	-----	-----	-----
3911	MISC MANUFACTURED PRODUCTS-----	185	157	28	-----	-----	-----	-----	-----
4011	IRON AND STEEL SCRAP-----	25,700	-----	25,700	-----	-----	-----	-----	-----
4012	NONFERROUS METAL SCRAP-----	2,605	-----	2,605	-----	-----	-----	-----	-----
4022	TEXTILE WASTE, SCRAP, SWEEP-----	7,880	-----	7,880	-----	-----	-----	-----	-----
4024	PAPER WASTE AND SCRAP-----	491	-----	491	-----	-----	-----	-----	-----
4029	WASTE AND SCRAP, NEC-----	2,628,356	-----	-----	-----	-----	-----	1,770,017	858,339
4111	WATER-----	3,089	-----	-----	-----	-----	-----	-----	3,089
4112	COMMODITIES, NEC-----	299,144	153	377	-----	-----	-----	-----	298,614
9999	DEPARTMENT OF DEFENSE AND SCI-----	4	-----	4	-----	-----	-----	-----	-----
TOTAL TON-MILES, 528,922,222.									

NEWTOWN CREEK, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM EAST RIVER TO JOHNSON AVENUE. CONTROLLING DEPTH: MAIN CHANNEL, 20 FEET TO 12 FEET FROM EAST RIVER TO SOUTH END OF TURNING BASIN; BALANCE OF WATERWAY RANGES BETWEEN 12 AND 16 FEET. PROJECT DEPTH: 23, 20, AND 12 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: 5.2 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	4,209,403	1983-----	1,974,937
1979-----	3,275,214	1984-----	2,190,428
1980-----	3,486,870	1985-----	2,278,083
1981-----	2,906,744	1986-----	3,037,778
1982-----	2,109,603	1987-----	2,708,621

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,708,621	43,119	9,215	85,610	98,041	2,472,636
1442 SAND, GRAVEL, CRUSHED ROCK-----	166,315	42,190	-----	85,610	-----	38,515
1499 NONMETALLIC MINERALS, NEC-----	841	-----	-----	-----	-----	841
2911 GASOLINE-----	949,555	929	6,186	-----	1,941	940,499
2912 JET FUEL-----	1,515	-----	-----	-----	-----	1,515
2913 KEROSENE-----	17,615	-----	-----	-----	-----	17,615
2914 DISTILLATE FUEL OIL-----	498,257	-----	3,029	-----	-----	495,228
2915 RESIDUAL FUEL OIL-----	38,639	-----	-----	-----	-----	38,639
4011 IRON AND STEEL SCRAP-----	291,740	-----	-----	-----	-----	291,740
4029 WASTE AND SCRAP, NEC-----	744,144	-----	-----	-----	96,100	648,044
TOTAL TON-MILES, 4,346,091.						

BUTTERMILK CHANNEL, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM EAST RIVER TO ANCHORAGE CHANNEL. CONTROLLING DEPTH: 35-FOOT PROJECT WESTERLY HALF OF CHANNEL, DEPTH AT 35 FEET; 40-FOOT PROJECT EASTERLY HALF OF CHANNEL, DEPTH AT 40 FEET. PROJECT DEPTH: 35 FEET AND 40 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: 2.3 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC			
				RAILROAD FREIGHT CAR			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
				EMPTY	LOADED	EMPTY	LOADED
1978-----	1,502,187	-----	784,107	130	3,762	3,048	130
1979-----	1,123,823	-----	551,819	-----	-----	-----	-----
1980-----	1,120,740	-----	412,261	12	359	398	34
1981-----	995,534	-----	455,018	-----	-----	-----	-----
1982-----	777,571	-----	431,623	69	2625	2430	160
1983-----	746,990	-----	342,415	14	1432	1137	231
1984-----	688,439	-----	360,407	-----	-----	-----	-----
1985-----	611,308	-----	267,191	-----	-----	-----	-----
1986-----	378,786	-----	263,366	-----	-----	-----	-----
1987-----	713,996	-----	208,799	-----	-----	-----	-----

## NEW YORK, NY, DISTRICT

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BUTTERMILK CHANNEL, N. Y. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		IMPORTS	EXPORTS	LOCAL
TOTAL-----	713,996	522,005	177,936	14,055
0103 CORN-----	70	20	50	-----
0105 RICE-----	911	887	24	-----
0111 SOYBEANS-----	11	-----	11	-----
0119 OILSEEDS, NEC-----	110	83	27	-----
0121 TOBACCO, LEAF-----	423	180	243	-----
0129 FIELD CROPS, NEC-----	1,699	1,675	24	-----
0131 FRESH FRUITS-----	403	142	351	-----
0133 COFFEE-----	51,173	50,969	204	-----
0134 COCOA BEANS-----	661	661	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	3,465	2,259	1,206	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,890	1,193	697	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	106	104	2	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,634	1,617	17	-----
0861 FOREST PRODUCTS, NEC-----	7,336	6,833	503	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,325	1,987	338	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,736	5,601	135	-----
1051 ALUMINUM ORES, CONCENTRATES-----	69	40	21	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	864	470	394	-----
1121 COAL AND LIGNITE-----	290	-----	290	-----
1411 LIMESTONE-----	222	-----	222	-----
1412 BUILDING STONE, UNWORKED-----	64	-----	64	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,530	260	2,270	-----
1451 CLAY-----	883	597	286	-----
1471 PHOSPHATE ROCK-----	116	-----	116	-----
1491 SALT-----	224	-----	224	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	38	-----	38	-----
1499 NONMETALLIC MINERALS, NEC-----	3,145	944	2,201	-----
1911 ORDNANCE AND ACCESSORIES-----	655	495	160	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	658	65	593	-----
2012 MEAT AND PRODUCTS, NEC-----	7,025	6,952	73	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,455	-----	1,455	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	672	373	299	-----
2021 DAIRY PRODUCTS, NEC-----	439	142	297	-----
2022 DRIED MILK AND CREAM-----	1,667	-----	1,667	-----
2031 FISH AND SHELLFISH, PREPARED-----	3,121	3,100	21	-----
2034 VEGETABLES AND PREP, NEC-----	2,899	2,134	765	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	17,616	17,235	381	-----
2041 WHEAT FLOUR AND SEMOLINA-----	496	-----	496	-----
2042 ANIMAL FEEDS-----	1,206	360	846	-----
2049 GRAIN MILL PRODUCTS, NEC-----	2,218	1,416	802	-----
2061 SUGAR-----	96	78	18	-----
2081 ALCOHOLIC BEVERAGES-----	15,700	15,665	35	-----
2091 VEGETABLE OILS, MARG, SHORT-----	12,354	11,160	1,194	-----
2092 ANIMAL OILS AND FATS, NEC-----	25	24	1	-----
2095 ICE-----	1,193	1,193	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	29,918	27,580	2,338	-----
2111 TOBACCO MANUFACTURES-----	22	1	21	-----
2211 BASIC TEXTILE PRODUCTS-----	21,469	14,658	6,811	-----
2212 TEXTILE FIBERS, NEC-----	146	146	-----	-----
2311 APPAREL-----	5,108	4,930	178	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	705	-----	705	-----
2414 TIMBER, POSTS, POLES, PILING-----	17	10	7	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	37	37	-----	-----
2421 LUMBER-----	5,644	4,880	764	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	271	271	-----	-----
2491 WOOD MANUFACTURES, NEC-----	1,927	1,715	212	-----
2511 FURNITURE AND FIXTURES-----	17,079	15,944	1,135	-----
2611 PULP-----	341	341	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	947	-----	947	-----
2631 PAPER AND PAPERBOARD-----	11,056	6,644	4,412	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	3,511	1,979	1,532	-----
2711 PRINTED MATTER-----	3,382	2,267	1,115	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,331	1,309	22	-----
2812 DYES, PIGMENT, TANNING MATS-----	402	-----	402	-----
2813 ALCOHOLS-----	361	60	293	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	4	-----	4	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	21,890	8,112	13,778	-----
2821 PLASTIC MATERIALS-----	12,504	3,124	9,380	-----
2822 SYNTHETIC RUBBER-----	3,102	4	3,178	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	4,815	4,508	307	-----
2831 DRUGS-----	1,480	1,067	413	-----
2841 SOAP-----	4,480	1,857	2,623	-----
2951 PAINTS-----	2,912	1,751	1,161	-----
2861 GUM AND 4000 CHEMICALS-----	337	278	59	-----
2971 NITROGENOUS CHEM FERTILIZERS-----	92	-----	92	-----
2973 PHOSPHATIC CHEM FERTILIZERS-----	115	-----	115	-----
2976 INSECTICIDES, DISINFECTANTS-----	1,245	6	1,239	-----
2979 FERTILIZER AND MATERIALS, NEC-----	10	-----	10	-----
2991 MISCELLANEOUS CHEMICAL PROD-----	12,338	1,617	10,721	-----
2911 GASOLINE-----	35,883	35,830	53	-----
2914 DISTILLATE FUEL OIL-----	4,738	-----	4,738	-----
2915 RESIDUAL FUEL OIL-----	8,734	71	8,663	-----
2916 LUBRICATING OILS AND GREASES-----	6,539	12	5,873	654
2917 KEROSENE, PETROLEUM SOLVENTS-----	31	-----	31	-----
2918 ASPHALT, TAR, AND PITCHES-----	2,186	2,134	52	-----
2921 LIQUEFIED GASES-----	3	-----	3	-----
2951 ASPHALT BUILDING MATERIALS-----	171	-----	171	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,594	1,546	1,048	-----
3011 RUBBER AND MISC PLASTIC PROD-----	7,348	3,432	3,916	-----
3111 LEATHER AND LEATHER PRODUCTS-----	12,616	12,065	551	-----
3211 GLASS AND GLASS PRODUCTS-----	14,125	13,749	376	-----
3241 BUILDING CEMENT-----	124,268	124,232	36	-----

## Waterborne Commerce of the United States, 1987

BUTTERMILK CHANNEL, N. Y. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC LOCAL
		IMPORTS	EXPORTS	
3251 STRUCTURAL CLAY PRODUCTS-----	12,043	11,474	569	-----
3281 CUT STONE AND STONE PRODUCTS-----	5,164	5,105	59	-----
3291 MISC NONMETALLIC MINERAL PROD-----	3,911	2,764	1,147	-----
3314 IRON AND STEEL PRIMARY FORMS-----	16	-----	16	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	14,996	14,587	409	-----
3316 IRON AND STEEL PLATES, SHEETS-----	834	-----	834	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,015	806	209	-----
3318 FERROALLOYS-----	295	295	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	2,891	1,130	1,761	-----
3321 NONFERROUS METALS, NEC-----	1,091	157	934	-----
3322 COPPER ALLOYS, UNWORKED-----	9,198	8,276	922	-----
3323 LEAD AND ZINC, UNWORKED-----	40	4	36	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	7,202	6,339	903	-----
3411 FABRICATED METAL PRODUCTS-----	18,046	13,930	4,116	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	22,527	8,802	13,725	-----
3611 ELECTRICAL MACH AND EQUIP-----	10,359	3,693	6,666	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,663	2,150	4,513	-----
3721 AIRCRAFT AND PARTS-----	50	-----	50	-----
3731 SHIPS AND BOATS-----	3,306	155	3,151	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,611	1,406	205	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2,614	1,382	1,232	-----
3911 MISC MANUFACTURED PRODUCTS-----	4,104	3,170	934	-----
4011 IRON AND STEEL SCRAP-----	675	-----	675	-----
4012 NONFERROUS METAL SCRAP-----	1,428	42	1,386	-----
4022 TEXTILE WASTE, SCRAP, WHEEP-----	18,541	281	18,260	-----
4024 PAPER WASTE AND SCRAP-----	14,746	13	14,733	-----
4112 COMMODITIES, NEC-----	5,747	947	4,800	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	538	-----	538	-----
TOTAL TON-MILES, 1,853,964.				

BAY RIDGE AND RED HOOK CHANNELS, N. Y.  
(INCLUDED IN PORT OF NEW YORK)SECTION INCLUDED: FROM NARROWS TO BUTTERMILK CHANNEL. CONTROLLING DEPTH: 40 FEET FROM NARROWS TO 69TH STREET PIER, BROOKLYN;  
BALANCE OF WATERWAY RANGES FROM 36.0 TO 37.0 FEET. PROJECT DEPTH: 40 FEET, ALL AT MEAN LOW WATER. PROJECT LENGTH: 4 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC			
				RAILROAD FREIGHT CARS			
				RECEIPTS		SHIPMENTS	
				EMPTY	LOADED	EMPTY	LOADED
1978-----	2,301,608	218,133	2,620,589	1,156	123	23	1,267
1979-----	1,683,504	-----	2,379,412	161	4,480	4,181	1,065
1980-----	1,937,273	-----	2,006,237	90	1,901	1,685	220
1981-----	2,059,639	-----	1,457,815	-----	-----	-----	-----
1982-----	1,595,096	-----	1,375,991	-----	-----	-----	-----
1983-----	1,176,062	-----	1,057,997	-----	-----	-----	-----
1984-----	1,572,581	-----	1,032,825	-----	-----	-----	-----
1985-----	1,842,987	-----	713,588	-----	-----	-----	-----
1986-----	1,261,743	-----	857,114	-----	-----	-----	-----
1987-----	1,072,358	-----	716,623	-----	-----	-----	-----

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,072,358	141,981	84,000	5,424	3,040	131,428	429,800	276,765
0101 COTTON, RAW-----	189	-----	189	-----	-----	-----	-----	-----
0103 CORN-----	10	-----	10	-----	-----	-----	-----	-----
0105 RICE-----	261	261	-----	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	4	4	-----	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	941	941	-----	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	148	6	142	-----	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	6,489	6,489	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	16,290	16,131	159	-----	-----	-----	-----	-----
0134 COCOA BEANS-----	179	-----	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	1,635	1,433	202	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,191	695	496	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	53	12	41	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	795	648	147	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	14,424	14,283	141	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	898	711	187	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	1,420	1,410	10	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	19	-----	19	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	374	189	185	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	531	-----	531	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	57,101	-----	-----	-----	-----	-----	-----	57,101
1411 LIMESTONE-----	101	-----	101	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	241,618	4,960	21	2,157	-----	131,428	-----	103,052

## NEW YORK, NY, DISTRICT

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BAY RIDGE AND RED HOOK CHANNELS, N. Y.  
(INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL			
						RECEIPTS	SHIPMENTS		
1451 CLAY-----	561	-----	561	-----	-----	-----	-----	-----	
1491 SALT-----	363	-----	363	-----	-----	-----	-----	-----	
1499 GYPSUM, CRUDE AND PLASTERS-----	55	-----	55	-----	-----	-----	-----	-----	
1499 NONMETALLIC MINERALS, NEC-----	1,283	151	1,132	-----	-----	-----	-----	-----	
1911 ORDNANCE AND ACCESSORIES-----	90	70	20	-----	-----	-----	-----	-----	
2011 MEAT, FRESH, CHILLED, FROZEN-----	330	-----	330	-----	-----	-----	-----	-----	
2012 MEAT AND PRODUCTS, NEC-----	1,926	1,846	80	-----	-----	-----	-----	-----	
2014 TALLOW, ANIMAL FATS AND OILS-----	285	-----	285	-----	-----	-----	-----	-----	
2015 ANIMAL BY-PRODUCTS, NEC-----	192	110	82	-----	-----	-----	-----	-----	
2021 DAIRY PRODUCTS, NEC-----	220	217	3	-----	-----	-----	-----	-----	
2022 DRIED MILK AND CREAM-----	2,284	2	2,282	-----	-----	-----	-----	-----	
2031 FISH AND SHELLFISH, PREPARED-----	619	604	15	-----	-----	-----	-----	-----	
2034 VEGETABLES AND PREP, NEC-----	1,871	1,621	250	-----	-----	-----	-----	-----	
2039 PREP FRUIT AND VEG JUICE, NEC-----	6,352	6,193	209	-----	-----	-----	-----	-----	
2041 WHEAT FLOUR AND SEMOLINA-----	588	-----	588	-----	-----	-----	-----	-----	
2042 ANIMAL FEEDS-----	232	62	170	-----	-----	-----	-----	-----	
2049 GRAIN MILL PRODUCTS, NEC-----	867	724	143	-----	-----	-----	-----	-----	
2061 SUGAR-----	59	59	-----	-----	-----	-----	-----	-----	
2062 MOLASSES-----	20	-----	20	-----	-----	-----	-----	-----	
2061 ALCOHOLIC BEVERAGES-----	3,418	3,344	74	-----	-----	-----	-----	-----	
2091 VEGETABLE OILS, MARG, SHORT-----	3,758	3,102	326	-----	-----	-----	-----	330	
2092 ANIMAL OILS AND FATS, NEC-----	19	18	1	-----	-----	-----	-----	-----	
2095 ICE-----	158	158	-----	-----	-----	-----	-----	-----	
2099 MISCELLANEOUS FOOD PRODUCTS-----	12,504	11,543	961	-----	-----	-----	-----	-----	
2111 TOBACCO MANUFACTURES-----	20	8	12	-----	-----	-----	-----	-----	
2211 BASIC TEXTILE PRODUCTS-----	9,270	5,313	3,957	-----	-----	-----	-----	-----	
2212 TEXTILE FIBERS, NEC-----	591	591	-----	-----	-----	-----	-----	-----	
2311 APPAREL-----	2,369	2,330	39	-----	-----	-----	-----	-----	
2411 LOGS-----	401	-----	401	-----	-----	-----	-----	-----	
2413 FUEL WOOD, CHARCOAL, WASTES-----	82	-----	82	-----	-----	-----	-----	-----	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	87	87	-----	-----	-----	-----	-----	-----	
2421 LUMBER-----	566	500	66	-----	-----	-----	-----	-----	
2431 VENEER, PLYWOOD, WORKED WOOD-----	56	52	4	-----	-----	-----	-----	-----	
2491 WOOD MANUFACTURES, NEC-----	908	908	40	-----	-----	-----	-----	-----	
2511 FURNITURE AND FIXTURES-----	9,533	9,412	121	-----	-----	-----	-----	-----	
2611 PULP-----	353	350	3	-----	-----	-----	-----	-----	
2621 STANDARD NEWSPRINT PAPER-----	4	4	-----	-----	-----	-----	-----	-----	
2631 PAPER AND PAPERBOARD-----	4,036	1,481	2,555	-----	-----	-----	-----	-----	
2691 PULP AND PAPER PRODUCTS, NEC-----	1,589	745	844	-----	-----	-----	-----	-----	
2711 PRINTED MATTER-----	1,028	306	722	-----	-----	-----	-----	-----	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	498	497	1	-----	-----	-----	-----	-----	
2812 DYES, PIGMENT, TANNING MATS-----	168	-----	168	-----	-----	-----	-----	-----	
2813 ALCOHOLS-----	1,199	1,028	171	-----	-----	-----	-----	-----	
2816 RADIOACTIVE MATERIALS, WASTES-----	22	-----	22	-----	-----	-----	-----	-----	
2819 BASIC CHEMICALS AND PROD, NEC-----	7,484	2,750	4,734	-----	-----	-----	-----	-----	
2821 PLASTIC MATERIALS-----	9,923	2,718	7,205	-----	-----	-----	-----	-----	
2822 SYNTHETIC RUBBER-----	1,147	2	1,145	-----	-----	-----	-----	-----	
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,240	1,145	95	-----	-----	-----	-----	-----	
2831 DRUGS-----	727	470	257	-----	-----	-----	-----	-----	
2841 SOAP-----	1,802	571	1,231	-----	-----	-----	-----	-----	
2851 PAINTS-----	1,108	694	414	-----	-----	-----	-----	-----	
2861 GUM AND WOOD CHEMICALS-----	331	293	38	-----	-----	-----	-----	-----	
2871 NITROGENOUS CHEM FERTILIZERS-----	52	-----	52	-----	-----	-----	-----	-----	
2876 INSECTICIDES, DISINFECTANTS-----	289	-----	289	-----	-----	-----	-----	-----	
2879 FERTILIZER AND MATERIALS, NEC-----	5	-----	5	-----	-----	-----	-----	-----	
2891 MISCELLANEOUS CHEMICAL PROD-----	5,523	509	5,014	-----	-----	-----	-----	-----	
2911 GASOLINE-----	4,548	-----	8	-----	-----	-----	-----	4,540	
2912 JET FUEL-----	7,991	-----	-----	-----	-----	-----	-----	7,991	
2914 DISTILLATE FUEL OIL-----	17,677	-----	-----	2,697	3,040	-----	-----	11,940	
2915 RESIDUAL FUEL OIL-----	66,052	-----	-----	570	-----	-----	-----	65,482	
2916 LUBRICATING OILS AND GREASES-----	1,586	-----	984	-----	-----	-----	-----	602	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	71	-----	71	-----	-----	-----	-----	-----	
2918 ASPHALT, TAR, AND PITCHES-----	12	-----	12	-----	-----	-----	-----	-----	
2920 COKE, PETROLEUM COKE-----	28	-----	28	-----	-----	-----	-----	-----	
2921 LIQUEFIED GASES-----	13	-----	13	-----	-----	-----	-----	-----	
2991 PETROLEUM AND COAL PROD, NEC-----	915	368	547	-----	-----	-----	-----	-----	
3011 RUBBER AND MISC PLASTIC PROD-----	3,419	1,425	1,994	-----	-----	-----	-----	-----	
3111 LEATHER AND LEATHER PRODUCTS-----	5,306	5,027	279	-----	-----	-----	-----	-----	
3211 GLASS AND GLASS PRODUCTS-----	1,221	988	233	-----	-----	-----	-----	-----	
3241 BUILDING CEMENT-----	11	-----	11	-----	-----	-----	-----	-----	
3251 STRUCTURAL CLAY PRODUCTS-----	4,385	4,126	259	-----	-----	-----	-----	-----	
3271 LIME-----	11	-----	11	-----	-----	-----	-----	-----	
3281 CUT STONE AND STONE PRODUCTS-----	1,446	1,413	33	-----	-----	-----	-----	-----	
3291 MISC NONMETALLIC MINERAL PROD-----	1,013	550	463	-----	-----	-----	-----	-----	
3314 IRON AND STEEL PRIMARY FORMS-----	9	-----	9	-----	-----	-----	-----	-----	
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,028	893	135	-----	-----	-----	-----	-----	
3316 IRON AND STEEL PLATES, SHEETS-----	1,090	-----	1,090	-----	-----	-----	-----	-----	
3317 IRON AND STEEL PIPE AND TUBE-----	724	647	77	-----	-----	-----	-----	-----	
3318 FERROALLOYS-----	127	105	22	-----	-----	-----	-----	-----	
3319 IRON AND STEEL PRODUCTS, NEC-----	949	265	684	-----	-----	-----	-----	-----	
3321 NONFERROUS METALS, NEC-----	484	79	405	-----	-----	-----	-----	-----	
3322 COPPER ALLOYS, UNWORKED-----	1,551	1,498	53	-----	-----	-----	-----	-----	
3323 LEAD AND ZINC, UNWORKED-----	24	-----	24	-----	-----	-----	-----	-----	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	3,347	2,399	948	-----	-----	-----	-----	-----	
3411 FABRICATED METAL PRODUCTS-----	6,676	4,431	2,245	-----	-----	-----	-----	-----	
3511 MACHINERY, EXCEPT ELECTRICAL-----	8,541	2,423	6,118	-----	-----	-----	-----	-----	
3611 ELECTRICAL MACH AND EQUIP-----	3,275	1,410	1,865	-----	-----	-----	-----	-----	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,068	510	2,558	-----	-----	-----	-----	-----	
3721 AIRCRAFT AND PARTS-----	72	-----	22	-----	-----	-----	-----	-----	
3751 SHIPS AND BOATS-----	11	-----	11	-----	-----	-----	-----	-----	
3791 MISC TRANSPORTATION EQUIPMENT-----	275	80	195	-----	-----	-----	-----	-----	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	913	240	673	-----	-----	-----	-----	-----	
3911 MISC MANUFACTURED PRODUCTS-----	1,169	835	334	-----	-----	-----	-----	-----	



# Waterborne Commerce of the United States, 1987

BAY RIDGE AND RED HOOK CHANNELS, N. Y.  
(INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
4011 IRON AND STEEL SCRAP-----	272	-----	272	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	1,021	22	999	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	5,403	1	5,402	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	12,254	-----	12,254	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	455,524	-----	-----	-----	-----	-----	429,800	25,724
4112 COMMODITIES, NEC-----	3,339	1,276	2,060	-----	-----	-----	-----	3
9999 DEPARTMENT OF DEFENSE AND SCI-----	381	-----	381	-----	-----	-----	-----	-----
TOTAL TON-MILES, 4,035,804.								

GOHANJS CREEK CHANNEL, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM 28TH STREET TO HAMILTON AVENUE BRIDGE. CONTROLLING DEPTH: 28.2 FEET FROM ENTRANCE TO PERCIVAL STREET, THENCE 23.0 FEET TO SIGOURNEY STREET; THENCE 10.0 FEET TO HAMILTON AVE.; 27.0 FEET IN BRANCH CHANNEL IN HENRY ST. BASIN. PROJECT DEPTH: 30 FEET AND 18 FEET, ALL AT MEAN LOW WATER. PROJECT LENGTH: 0.8 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	2,685,078	503,887	1983-----	998,091	838,062
1979-----	2,563,248	498,398	1984-----	976,992	882,302
1980-----	2,211,116	618,282	1985-----	627,754	785,881
1981-----	1,909,528	402,395	1986-----	1,381,130	780,475
1982-----	1,440,791	630,711	1987-----	1,586,515	575,873

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		LOCAL
		IMPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS	
TOTAL-----	1,586,515	64,129	15,154	77,536	1,429,696
0133 COFFEE-----	18,705	18,705	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	77,536	-----	-----	77,536	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	77	77	-----	-----	-----
2911 GASOLINE-----	11,228	-----	-----	-----	11,228
2913 KEROSENE-----	354	-----	-----	-----	354
2914 DISTILLATE FUEL OIL-----	279,370	-----	-----	-----	279,370
2915 RESIDUAL FUEL OIL-----	413,481	-----	15,154	-----	398,327
2916 LUBRICATING OILS AND GREASES-----	118	-----	-----	-----	118
3241 BUILDING CEMENT-----	45,335	45,335	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	12	12	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	740,299	-----	-----	-----	740,299
TOTAL TON-MILES, 2,162,388.					

COVEY ISLAND CHANNEL, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM NORTON POINT TO DEEP WATER TO SOUTHEAST. CONTROLLING DEPTH: (1970) 20 FEET. PROJECT DEPTH: 20 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: ABOUT 1.3 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	THROUGH TRAFFIC (TONS)	YEAR	THROUGH TRAFFIC (TONS)
1978-----	3,668,785	1983-----	1,992,360
1979-----	3,123,192	1984-----	2,297,086
1980-----	2,665,287	1985-----	2,101,277
1981-----	2,665,287	1986-----	2,353,681
1982-----	1,862,072	1987-----	2,263,521

# NEW YORK, NY, DISTRICT

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## EAST ROCKAWAY INLET, N. Y. (DEBB INLET) (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: A CHANNEL FROM DEEP WATER IN THE ATLANTIC OCEAN TO A 12-FOOT DEPTH INSIDE EAST ROCKAWAY INLET. CONTROLLING DEPTH: 12.0 FEET IN CHANNEL. PROJECT DEPTH: 12 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: 1.0 MILE.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	2,953,318	94,160	1983-----	1,899,119	80,488
1979-----	1,724,425	85,640	1984-----	2,035,898	77,720
1980-----	1,571,917	88,970	1985-----	1,743,311	226,774
1981-----	1,771,136	97,290	1986-----	1,385,539	227,022
1982-----	1,852,331	88,420	1987-----	1,075,477	229,040

### FREIGHT TRAFFIC, 1987

#### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE THROUGH	
		UPBOUND	DOWNBOUND
TOTAL-----	1,075,477	1,024,200	51,277
2911 GASOLINE-----	476,973	475,135	1,838
2912 JET FUEL-----	2,660	2,660	-----
2913 KEROSENE-----	3,862	3,862	-----
2914 DISTILLATE FUEL OIL-----	366,549	366,549	-----
2915 RESIDUAL FUEL OIL-----	175,994	175,994	-----
4029 WASTE AND SCRAP, NEC-----	49,439	-----	49,439
TOTAL TON-MILES, 1,075,477,			

## JAMAICA BAY, N. Y. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: ENTIRE BAY. CONTROLLING DEPTH: ENTRANCE CHANNEL--20 FEET FROM ATLANTIC OCEAN TO ROCKAWAY POINT, THENCE 18 FEET TO BARREN ISLAND. BRANCH CHANNELS RANGE FROM 12 TO 18 FEET. PROJECT DEPTH: 20, 18, 15 AND 12 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: 19.5 MILES.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	4,294,252	509,430	1983-----	2,688,679	361,820
1979-----	3,850,630	435,618	1984-----	2,987,607	333,750
1980-----	3,315,554	425,972	1985-----	2,793,783	348,514
1981-----	2,849,489	465,286	1986-----	3,067,595	324,918
1982-----	2,595,584	386,950	1987-----	2,981,915	339,038

### FREIGHT TRAFFIC, 1987

#### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,981,915	75	2,699	147,250	729,154	2,102,737
1442 SAND, GRAVEL, CRUSHED ROCK-----	150,698	-----	-----	147,250	-----	3,448
2911 GASOLINE-----	1,481,076	-----	2,699	-----	-----	1,478,377
2913 KEROSENE-----	9,789	-----	-----	-----	-----	9,789
2914 DISTILLATE FUEL OIL-----	523,924	-----	-----	-----	-----	523,924
2915 RESIDUAL FUEL OIL-----	87,199	-----	-----	-----	-----	87,199
3791 MISC TRANSPORTATION EQUIPMENT-----	75	75	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	729,154	-----	-----	-----	729,154	-----
TOTAL TON-MILES, 35,948,080,						

## RARITAN RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM DEEP WATER IN RARITAN BAY TO NEW BRUNSWICK. CONTROLLING DEPTH: MAIN CHANNEL, 16.0 TO 21.0 FEET FROM N. Y. AND N. J. CHANNELS TO JUNCTION OF SOUTH CHANNEL; BALANCE OF WATERWAY RANGES FROM 1 TO 25 FEET. PROJECT DEPTH: 25, 15 AND 10 FEET IN MAIN CHANNEL; 25 AND 10 FEET IN SOUTH CHANNEL. ALL AT MEAN LOW WATER. PROJECT LENGTH: 13.8 MILES.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	5,680,388	1983-----	3,864,783
1979-----	5,050,360	1984-----	3,861,840
1980-----	6,399,400	1985-----	3,939,766
1981-----	6,495,476	1986-----	3,452,823
1982-----	5,322,205	1987-----	4,646,197

## Waterborne Commerce of the United States, 1987

RARITAN RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC				LOCAL
		EXPORTS	COASTWISE		INTERNAL		
			RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	4,646,197	348	19,772	599,790	46,108	774,835	3,205,344
1402 SAND, GRAVEL, CRUSHED ROCK-----	1,564,180	-----	-----	336,156	46,108	74,722	1,105,194
2034 VEGETABLES AND PREP, NEC-----	66	66	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	117	117	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	1	1	-----	-----	-----	-----	-----
2911 GASOLINE-----	7,674	-----	-----	7,674	-----	-----	-----
2913 KEROSENE-----	140,795	-----	-----	11,418	-----	11,537	117,840
2914 DISTILLATE FUEL OIL-----	332,888	-----	-----	12,653	-----	-----	320,235
2915 RESIDUAL FUEL OIL-----	2,006,196	-----	19,772	229,389	-----	141,366	1,615,669
2991 PETROLEUM AND COAL PROD, NEC-----	2,474	-----	-----	-----	-----	-----	2,474
3111 LEATHER AND LEATHER PRODUCTS-----	123	123	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	500	-----	-----	500	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2	2	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	12	12	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	591,142	-----	-----	-----	-----	547,210	43,932
4112 COMMODITIES, NEC-----	27	27	-----	-----	-----	-----	-----
TOTAL TON-MILES, 9,704,104.							

UPPER BAY, NEW YORK HARBOR, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)\*

SECTION INCLUDED: FROM THE NARROWS TO JUNCTION OF HUDSON AND EAST RIVERS. CONTROLLING DEPTH: ANCHORAGE CHANNEL 45 FEET; CHANNEL ALONG N.J. PIERHEAD LINE 19.5 FEET; RED HOOK FLATS ANCHORAGE, 35 FEET AND 45 FEET; LIBERTY ISLAND ANCHORAGE 20 FEET; PROJECT DEPTH AND PROJECT LENGTH: ANCHORAGE CHANNEL 45 FEET, 5.7 MILES; CHANNEL ALONG NEW JERSEY PIERHEAD LINE, 20 FEET, 3 MILES; RED HOOK FLATS ANCHORAGE, 35 AND 45 FEET; LIBERTY (GEOLGE) ISLAND ANCHORAGE 20 FEET. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC				AUTOMOBILES ACCOMPANYING PASSENGERS
				RAILROAD FREIGHT CARS		SHIPMENTS		
				RECEIPTS		SHIPMENTS		
				EMPTY	LOADED	EMPTY	LOADED	
1978-----	41,280,545	20,858,838	126,402,369	3,821	835	536	5,136	626,489
1979-----	32,474,381	21,004,993	113,647,343	3,536	610	152	4,023	599,152
1980-----	34,833,524	22,717,873	108,493,524	2,664	6,605	6,261	3,082	679,807
1981-----	31,475,382	23,174,118	101,069,745	6,554	1,946	1,591	6,765	-----
1982-----	26,902,628	22,795,752	100,175,346	7,298	2,360	1,921	10,641	456,725
1983-----	29,269,840	23,295,052	96,841,397	1,552	253	45	1,813	408,219
1984-----	37,262,997	22,293,665	103,214,280	-----	-----	-----	-----	408,219
1985-----	31,512,343	23,928,218	98,705,192	-----	-----	-----	-----	453,000
1986-----	34,389,239	31,988,882	103,494,056	-----	-----	-----	-----	478,818
1987-----	39,016,209	36,621,418	95,434,452	-----	-----	-----	-----	310,000

\* DOES NOT INCLUDE THAT PORTION FRONTING BAY RIDGE AND RED HOOK CHANNELS, WHICH IS REPORTED UPON SEPARATELY.

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	39,016,209	22,334,988	925,134	6,082,087	1,122,285	1,291,167	7,260,548
0103 CORN-----	9	2	7	-----	-----	-----	-----
0105 RICE-----	861	391	470	-----	-----	-----	-----
0106 SORGHUM GRAINS-----	117	-----	117	-----	-----	-----	-----
0111 SOYBEANS-----	1,419	-----	1,419	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	223	197	26	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	57	7	50	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	689	675	14	-----	-----	-----	-----
0131 FRESH FRUITS-----	1,166	243	923	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	6,928	6,928	-----	-----	-----	-----	-----
0133 COFFEE-----	28,692	28,182	510	-----	-----	-----	-----
0134 COCOA BEANS-----	2,939	2,917	22	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	2,206	1,305	901	-----	-----	-----	-----
0151 LIVE ANIMALS-----	1	-----	1	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	858	418	440	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	676	471	205	-----	-----	-----	-----
0801 CRUDE RUBBER AND ALLIED GUMS-----	3,484	3,355	129	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	2,724	2,016	708	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,956	843	1,113	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	2,288	1,524	764	-----	-----	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	13	13	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	20	-----	20	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	17	17	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	136	78	58	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	4,389,905	3,098,623	18	241,260	-----	59,208	990,796
1411 LIMESTONE-----	62	-----	62	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	19	-----	19	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	30,275	24,680	5,595	-----	-----	-----	-----
1451 CLAY-----	35,122	35,028	94	-----	-----	-----	-----
1471 PHOSPHATE ROCK-----	105	-----	105	-----	-----	-----	-----
1491 SALT-----	33,714	33,497	217	-----	-----	-----	-----

## NEW YORK, NY, DISTRICT

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UPPER BAY, NEW YORK HARBOR, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)---CONTINUED

FREIGHT TRAFFIC, 1967--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	LOCAL
				RECEIPTS	SHIPMENTS	SHIPMENTS	
1494 GYPSUM, CRUDE AND PLASTERS-----	40,947	40,436	11	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	101,116	60,409	40,707	-----	-----	-----	-----
1911 ORDVANCE AND ACCESSORIES-----	106	47	59	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	2,176	202	1,974	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	1,564	1,372	184	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,009	-----	1,009	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	705	96	609	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	4,544	4,367	177	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	674	234	440	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	3,721	3,329	392	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	5,613	5,254	559	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	13,224	12,303	921	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	161	-----	161	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	2,209	1,204	1,005	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	4,273	2,252	2,021	-----	-----	-----	-----
2061 SUGAR-----	313,294	313,123	171	-----	-----	-----	-----
2062 MOLASSES-----	5,956	5,954	2	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	21,706	20,399	1,307	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	28,040	21,033	304	-----	-----	-----	6,703
2092 ANIMAL OILS AND FATS, NEC-----	30	28	2	-----	-----	-----	-----
2095 ICE-----	4,358	4,358	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	11,448	8,046	3,602	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	161	41	120	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	8,094	4,940	3,154	-----	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	28	-----	28	-----	-----	-----	-----
2311 APPAREL-----	4,382	4,211	171	-----	-----	-----	-----
2411 LOGS-----	114	2	112	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	14	-----	14	-----	-----	-----	-----
2421 LUMBER-----	9,758	6,959	2,799	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	528	249	279	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	948	750	198	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	4,984	4,613	371	-----	-----	-----	-----
2611 PULP-----	11,133	10,226	907	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	3,342	82	3,260	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	5,954	3,619	2,335	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1,982	1,021	961	-----	-----	-----	-----
2711 PRINTED MATTER-----	1,839	1,137	702	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	29,267	-----	-----	-----	-----	-----	29,267
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	6,988	6,986	2	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	231	-----	231	-----	-----	-----	-----
2813 ALCOHOLS-----	41,795	40,773	468	-----	-----	-----	554
2816 RADIOACTIVE MATERIALS, WASTES-----	5	-----	5	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	59,871	-----	8	17,167	-----	-----	42,696
2819 BASIC CHEMICALS AND PROD, NEC-----	413,350	107,556	6,420	275,277	12,285	-----	11,812
2821 PLASTIC MATERIALS-----	18,330	4,644	13,686	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	2,347	123	2,224	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	960	338	622	-----	-----	-----	-----
2831 DRUGS-----	1,312	810	502	-----	-----	-----	-----
2841 SOAP-----	4,196	2,839	1,357	-----	-----	-----	-----
2851 PAINTS-----	2,500	2,242	258	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	30	1	29	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	6	6	-----	-----	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	20	-----	20	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	584	146	438	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	20	-----	20	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	7,552	4,896	2,656	-----	-----	-----	-----
2911 GASOLINE-----	8,698,273	6,161,838	112	514,297	458,376	46,892	1,494,758
2912 JET FUEL-----	423,192	209,132	8,267	151,626	9,780	-----	44,307
2913 KEROSENE-----	296,249	-----	52	170,811	12,573	2,861	109,952
2914 DISTILLATE FUEL OIL-----	3,134,948	543,879	-----	1,375,279	148,469	258,600	808,721
2915 RESIDUAL FUEL OIL-----	18,241,787	10,762,839	-----	3,172,413	430,912	741,625	3,133,998
2916 LUBRICATING OILS AND GREASES-----	20,290	1	653	1,415	11,498	-----	6,523
2917 NAPHTHA, PETROLEUM SOLVENTS-----	390,817	241,153	46	71,343	4,966	-----	73,309
2918 ASPHALT, TAR, AND PITCHES-----	31,877	31,831	46	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	348	348	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	33	23	10	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	7	-----	7	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	6,242	2,581	74	-----	-----	-----	3,587
3011 RUBBER AND MISC PLASTIC PROD-----	8,118	5,807	2,311	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	5,135	3,903	1,232	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	3,648	2,772	776	-----	-----	-----	-----
3241 BUILDING CEMENT-----	305,504	291,614	40	-----	-----	-----	13,850
3251 STRUCTURAL CLAY PRODUCTS-----	6,652	6,377	275	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	2,955	2,190	765	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	3,621	1,379	2,242	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	11,646	11,625	21	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	29,231	29,002	229	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	1,208	-----	1,208	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,883	2,767	116	-----	-----	-----	-----
3318 FERROALLOYS-----	329	20	309	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1,054	608	446	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	706	490	216	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,140	949	191	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	2,142	1,227	915	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,928	986	942	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	9,620	7,257	2,363	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	18,009	9,271	7,118	1,620	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	10,091	6,872	3,219	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	26,526	23,889	2,637	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	228	7	221	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	304	74	230	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	646	197	349	100	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	4,186	1,799	2,387	-----	-----	-----	-----

## Waterborne Commerce of the United States, 1987

UPPER BAY, NEW YORK HARBOR, N. Y., AND N. J.  
(INCLUDED IN PORT OF NEW YORK)---CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	SHIPMENTS	
3911 MISC MANUFACTURED PRODUCTS-----	8,012	7,457	555	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	1,180,072	-----	737,759	33,770	-----	-----	408,543
4012 NONFERROUS METAL SCRAP-----	2,042	-----	2,042	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	1,494	-----	1,494	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	20,098	-----	20,098	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	288,567	-----	-----	47,507	-----	159,781	80,379
4112 COMMODITIES, NEC-----	52,409	7,758	2,710	8,002	33,426	-----	513
9999 DEPARTMENT OF DEFENSE AND SCI-----	6,466	-----	6,466	-----	-----	-----	-----
TOTAL TON-MILES, 442,625,824.							

NEWARK BAY, N. J. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: ENTIRE BAY. CONTROLLING DEPTH: 35 FEET IN NEWARK BAY, INCLUDING BRANCH CHANNELS AT PORT NEWARK AND PORT ELIZABETH TO A POINT 1,200 FEET SOUTH OF C. R. R. OF N. J. BRIDGE; BALANCE OF WATERWAY RANGES FROM 32 TO 35 FEET. PROJECT DEPTH: 37 FEET IN ROCK, 35 FEET AND 32 FEET IN OTHER MATERIAL. ALL AT MEAN LOW WATER. PROJECT LENGTH: ABOUT 4.7 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC			
				RAILROAD FREIGHT CARS			
				RECEIPTS	LOADED	SHIPMENTS	LOADED
1978-----	17,642,367	1,291	9,611,588	-----	-----	-----	-----
1979-----	15,666,237	-----	9,098,264	-----	-----	-----	-----
1980-----	15,296,449	-----	10,622,497	-----	-----	-----	-----
1981-----	15,752,248	-----	10,259,975	-----	-----	-----	-----
1982-----	13,936,990	-----	11,611,090	-----	-----	-----	-----
1983-----	15,991,347	-----	9,456,320	-----	-----	-----	-----
1984-----	17,928,626	-----	8,720,225	-----	-----	-----	-----
1985-----	18,231,907	-----	9,901,449	-----	-----	-----	-----
1986-----	18,380,644	-----	9,538,697	-----	-----	-----	-----
1987-----	20,085,168	-----	9,448,549	-----	-----	-----	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	20,085,168	9,949,656	3,712,004	1,224,957	3,019,413	257,803	1,921,335
0101 COTTON, RAW-----	157	-----	-----	7	150	-----	-----
0102 BARLEY AND RYE-----	322	217	105	-----	-----	-----	-----
0103 CORN-----	3,164	357	2,661	-----	146	-----	-----
0104 OATS-----	66	-----	20	-----	46	-----	-----
0105 RICE-----	12,153	12,000	130	-----	23	-----	-----
0106 SORGHUM GRAINS-----	2,648	-----	304	17	2,327	-----	-----
0111 SOYBEANS-----	6,847	-----	6,847	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	8,291	7,502	752	3	34	-----	-----
0121 TOBACCO, LEAF-----	6,551	3,096	2,670	500	285	-----	-----
0122 HAY AND FODDER-----	1,529	-----	-----	-----	1,529	-----	-----
0129 FIELD CROPS, NEC-----	20,034	18,313	978	568	175	-----	-----
0131 FRESH FRUITS-----	39,226	8,362	25,549	2,281	3,034	-----	-----
0132 BANANAS AND PLANTAINS-----	425,636	423,833	-----	-----	1,803	-----	-----
0133 COFFEE-----	186,608	169,715	4,301	415	12,177	-----	-----
0134 COCOA BEANS-----	31,345	28,118	183	2,919	125	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	101,177	19,589	10,265	13,402	57,921	-----	-----
0151 LIVE ANIMALS-----	861	1	21	-----	839	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	39,469	16,274	21,377	-----	1,818	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	26,243	21,055	1,421	-----	3,767	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	16,356	15,071	1,192	-----	93	-----	-----
0861 FOREST PRODUCTS, NEC-----	45,050	33,944	6,736	147	4,223	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	78,820	55,323	9,392	8,970	5,135	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	61,257	55,913	4,616	128	600	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	186	181	5	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	26,579	26,563	-----	-----	16	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	104	-----	104	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	8,040	7,156	884	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	336	-----	-----	-----	336	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	12,685	5,457	7,220	-----	8	-----	-----
1121 COAL AND LIGNITE-----	249,282	133	248,623	-----	526	-----	-----
1311 CRUDE PETROLEUM-----	98,871	98,871	-----	-----	-----	-----	-----
1411 LIMESTONE-----	1,903	120	1,557	-----	226	-----	-----
1412 BUILDING STONE, UNWORKED-----	6,746	-----	6,316	-----	432	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	89,240	78,748	5,859	-----	4,593	-----	-----
1451 CLAY-----	30,423	12,246	17,387	-----	790	-----	-----
1471 PHOSPHATE ROCK-----	3,682	472	3,210	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	4	-----	-----	-----	-----	-----	-----
1491 SALT-----	348,822	338,844	3,632	-----	6,346	-----	-----
1492 SULPHUR, ORE-----	4,375	-----	4,375	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	1,131	36	1,077	-----	18	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	109,149	85,530	19,407	-----	3,371	-----	841

## NEW YORK, NY, DISTRICT

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NEWARK BAY, N. J. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	SHIPMENTS		
1911 ORDNANCE AND ACCESSORIES-----	4,921	2,847	2,054	20	-----	-----	-----	
2011 MEAT, FRESH, CHILLED, FROZEN-----	93,727	13,734	41,919	1,083	36,991	-----	-----	
2012 MEAT AND PRODUCTS, NEC-----	128,748	92,904	2,642	265	32,937	-----	-----	
2014 TALLOW, ANIMAL FATS AND OILS-----	32,598	-----	32,402	-----	196	-----	-----	
2015 ANIMAL BY-PRODUCTS, NEC-----	12,116	3,052	8,274	754	36	-----	-----	
2021 DAIRY PRODUCTS, NEC-----	117,379	95,415	4,235	274	17,455	-----	-----	
2022 DRIED MILK AND CREAM-----	29,522	492	15,350	575	13,105	-----	-----	
2031 FISH AND SHELLFISH, PREPARED-----	211,739	58,160	6,909	58,327	88,343	-----	-----	
2034 VEGETABLES AND PREP, NEC-----	213,774	166,997	7,871	6,630	32,276	-----	-----	
2039 PREP FRUIT AND VEG JUICE, NEC-----	454,697	418,193	11,693	7,818	16,993	-----	-----	
2041 WHEAT FLOUR AND SEMOLINA-----	7,204	-----	764	-----	6,440	-----	-----	
2042 ANIMAL FEEDS-----	45,810	19,848	18,414	3,587	3,961	-----	-----	
2049 GRAIN MILL PRODUCTS, NEC-----	102,262	76,141	16,079	45	9,997	-----	-----	
2061 SUGAR-----	31,613	26,621	1,725	23	3,244	-----	-----	
2062 MOLASSES-----	2,231	32	135	-----	2,064	-----	-----	
2081 ALCOHOLIC BEVERAGES-----	776,009	656,508	18,829	7,013	93,659	-----	-----	
2091 VEGETABLE OILS, MARG, SHORT-----	243,132	199,700	7,784	2,649	7,953	-----	25,046	
2092 ANIMAL OILS AND FATS, NEC-----	3,061	2,999	39	-----	23	-----	-----	
2094 GROCERIES-----	254	-----	-----	25	229	-----	-----	
2095 ICE-----	77,497	77,497	-----	-----	-----	-----	-----	
2099 MISCELLANEOUS FOOD PRODUCTS-----	415,704	216,678	37,803	33,230	127,993	-----	-----	
2111 TOBACCO MANUFACTURES-----	11,474	1,095	2,347	5,423	2,609	-----	-----	
2211 BASIC TEXTILE PRODUCTS-----	166,163	119,055	33,233	412	13,463	-----	-----	
2212 TEXTILE FIBERS, NEC-----	13,476	11,135	40	-----	2,301	-----	-----	
2311 APPAREL-----	184,744	117,143	2,811	16,610	48,180	-----	-----	
2411 LOGS-----	7,865	3,328	4,439	98	-----	-----	-----	
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,161	1,108	1,055	-----	998	-----	-----	
2414 TIMBER, POSTS, POLES, PILING-----	2,003	1,988	15	-----	-----	-----	-----	
2415 PULPWOOD, LOG-----	40	-----	-----	40	-----	-----	-----	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	12,405	11,273	1,132	-----	-----	-----	-----	
2421 LUMBER-----	304,795	244,719	59,150	163	763	-----	-----	
2431 VENEER, PLYWOOD, WORKED WOOD-----	9,648	8,104	989	-----	555	-----	-----	
2491 WOOD MANUFACTURES, NEC-----	44,898	37,979	4,089	866	1,964	-----	-----	
2511 FURNITURE AND FIXTURES-----	193,074	160,620	8,584	655	23,215	-----	-----	
2611 PULP-----	83,497	76,519	6,978	-----	-----	-----	-----	
2621 STANDARD NEWSPRINT PAPER-----	85,969	60,229	25,490	-----	250	-----	-----	
2631 PAPER AND PAPERBOARD-----	192,519	128,892	57,074	101	6,452	-----	-----	
2691 PULP AND PAPER PRODUCTS, NEC-----	131,439	33,622	20,226	2,406	75,185	-----	-----	
2711 PRINTED MATTER-----	73,880	52,539	16,295	88	4,958	-----	-----	
2810 SODIUM HYDROXIDE-----	8,239	-----	-----	-----	348	-----	7,891	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	59,375	58,560	815	-----	-----	-----	-----	
2812 DYES, PIGMENT, TANNING MATS-----	7,930	7,284	646	50	596	-----	-----	
2813 ALCOHOLS-----	42,900	28,199	8,097	166	6,438	-----	-----	
2816 RADIOACTIVE MATERIALS, WASTES-----	1,433	212	1,221	-----	-----	-----	-----	
2817 BENZENE AND TOLUENE-----	216	-----	216	-----	-----	-----	-----	
2818 SULPHURIC ACID-----	14,679	-----	-----	5,000	9,679	-----	-----	
2819 BASIC CHEMICALS AND PROD, NEC-----	509,409	306,158	139,563	3,330	60,358	-----	-----	
2821 PLASTIC MATERIALS-----	350,403	155,246	173,692	42	21,423	-----	-----	
2822 SYNTHETIC RUBBER-----	32,574	2,573	19,473	67	10,461	-----	-----	
2823 SYNTHETIC (MAN-MADE) FIBERS-----	12,493	8,505	3,581	31	376	-----	-----	
2831 DRUGS-----	60,939	32,993	9,549	14,314	4,083	-----	-----	
2841 SOAP-----	126,478	40,080	29,477	11,362	45,559	-----	-----	
2851 PAINTS-----	116,620	101,135	11,631	693	3,161	-----	-----	
2861 GUM AND WOOD CHEMICALS-----	1,969	854	815	152	148	-----	-----	
2871 NITROGENOUS CHEM FERTILIZERS-----	35,128	34,620	508	-----	-----	-----	-----	
2872 POTASSIC CHEM FERTILIZERS-----	11,179	11,079	58	-----	42	-----	-----	
2873 PHOSPHATIC CHEM FERTILIZERS-----	520	275	63	-----	182	-----	-----	
2876 INSECTICIDES, DISINFECTANTS-----	17,804	5,915	9,657	2,142	90	-----	-----	
2879 FERTILIZER AND MATERIALS, NEC-----	3,277	1,424	1,470	-----	383	-----	-----	
2891 MISCELLANEOUS CHEMICAL PROD-----	120,237	47,006	62,613	5,257	5,361	-----	-----	
2911 GASOLINE-----	1,410,515	43,206	852	23,797	565,374	113,916	481,370	
2912 JET FUEL-----	70,504	-----	7,409	33,735	27,228	-----	2,132	
2913 KEROSENE-----	51,523	-----	103	9,009	25,273	10,115	7,023	
2914 DISTILLATE FUEL OIL-----	1,544,851	42,965	226	440,279	306,047	61,469	653,865	
2915 RESIDUAL FUEL OIL-----	1,123,879	206,058	-----	87,495	75,990	40,703	713,633	
2916 LUBRICATING OILS AND GREASES-----	76,330	28,612	24,873	14,054	3,454	-----	5,337	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	29,431	27,197	1,457	-----	777	-----	-----	
2918 ASPHALT, TAR, AND PITCHES-----	1,844	853	738	139	114	-----	-----	
2920 COKE, PETROLEUM COKE-----	40,981	40,786	195	-----	-----	-----	-----	
2921 LIQUEFIED GASES-----	2,991	247	1,659	-----	1,085	-----	-----	
2951 ASPHALT BUILDING MATERIALS-----	2,725	-----	1,836	-----	889	-----	-----	
2991 PETROLEUM AND COAL PROD, NEC-----	33,434	19,233	2,478	264	7,768	-----	3,691	
3011 RUBBER AND MISC PLASTIC PROD-----	338,434	266,684	25,557	3,170	43,023	-----	-----	
3111 LEATHER AND LEATHER PRODUCTS-----	110,919	91,275	9,182	2,043	8,419	-----	-----	
3211 GLASS AND GLASS PRODUCTS-----	145,705	124,107	12,008	573	9,017	-----	-----	
3241 BUILDING CEMENT-----	204,510	200,167	2,210	-----	2,133	-----	-----	
3251 STRUCTURAL CLAY PRODUCTS-----	232,428	183,980	7,721	4	40,723	-----	-----	
3271 LIME-----	40	-----	-----	-----	-----	-----	-----	
3281 CUT STONE AND STONE PRODUCTS-----	130,472	117,992	2,080	-----	10,400	-----	-----	
3291 MISC NONMETALLIC MINERAL PROD-----	115,666	87,231	17,197	337	10,901	-----	-----	
3311 PIG IRON-----	52,421	20,210	32,175	-----	36	-----	-----	
3312 SLAG-----	26	-----	-----	26	-----	-----	-----	
3313 COKE, PET ASPHALTS, SOLVENTS-----	25	-----	-----	-----	25	-----	-----	
3314 IRON AND STEEL PRIMARY FORMS-----	182,933	177,996	689	-----	4,248	-----	-----	
3315 IRON, STEEL SHAPES, EXC SHEET-----	182,322	142,143	3,939	-----	36,240	-----	-----	
3316 IRON AND STEEL PLATES, SHEETS-----	44,581	528	40,997	3	3,017	-----	-----	
3317 IRON AND STEEL PIPE AND TUBE-----	34,637	25,992	1,647	872	6,126	-----	-----	
3318 FERROALLOYS-----	25,909	14,234	2,551	9,124	-----	-----	-----	
3319 IRON AND STEEL PRODUCTS, NEC-----	47,791	35,139	6,092	19	6,471	-----	-----	
3321 NONFERROUS METALS, NEC-----	41,444	32,058	6,040	85	3,331	-----	-----	
3322 COPPER ALLOYS, UNWORKED-----	107,977	91,580	7,837	-----	8,560	-----	-----	
3323 LEAD AND ZINC, UNWORKED-----	15,791	11,887	3,327	-----	577	-----	-----	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	56,865	40,835	9,982	128	5,920	-----	-----	
3411 FABRICATED METAL PRODUCTS-----	513,236	376,104	47,246	4,120	85,766	-----	-----	

## Waterborne Commerce of the United States, 1987

NEWARK BAY, N. J. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL SHIPMENTS	LOCAL
				RECEIPTS	SHIPMENTS		
3511 MACHINERY, EXCEPT ELECTRICAL-----	593,170	404,952	120,457	1,488	66,273	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	421,317	317,804	64,336	7,610	31,567	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	878,991	779,809	54,519	2,887	41,776	-----	-----
3721 AIRCRAFT AND PARTS-----	3,504	364	2,384	-----	756	-----	-----
3731 SHIPS AND BOATS-----	9,046	6,226	2,579	15	226	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	17,886	13,149	4,549	14	174	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	159,835	108,844	40,150	854	3,979	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	326,952	217,494	10,097	34,509	64,850	-----	2
4011 IRON AND STEEL SCRAP-----	938,079	916	898,955	6,404	11,310	-----	20,494
4012 NONFERROUS METAL SCRAP-----	93,946	1,881	88,055	3,836	174	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	58,098	2,270	51,732	1,400	2,696	-----	-----
4024 PAPER WASTE AND SCRAP-----	639,610	2,779	636,776	33	22	-----	-----
4029 WASTE AND SCRAP, NEC-----	32,494	-----	-----	536	358	31,600	-----
4112 COMMODITIES, NEC-----	768,978	28,785	67,398	132,893	539,892	-----	10
4119 EMPTY CONTAINERS-----	63	-----	-----	23	40	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	5,839	-----	5,839	-----	-----	-----	-----
TOTAL TON-MILES, 98,550,207.							

HACKENSACK RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM MOUTH UPSTREAM TO NEW YORK, SUSQUEHANNA & WESTERN R. R. BRIDGE AT HACKENSACK. CONTROLLING DEPTH: 30 FEET FROM THE JUNCTION OF HACKENSACK AND PASSAIC RIVERS TO 300 FEET SOUTH OF CENTRAL RAILROAD OF NEW JERSEY BRIDGE. BALANCE OF WATERWAY RANGES FROM 10 TO 30 FEET. PROJECT DEPTH: CHANNEL, 34 FEET IN ROCK AND 32 FEET IN OTHER MATERIAL WITH TURNING BASIN 25 FEET DEEP AT UPPER END OF A POINT 2,000 FEET ABOVE THE DELAWARE, LACKAWANNA & WESTERN R. R. BRIDGE AT MARION-JERSEY CITY, THENCE 15 FEET TO HACKENSACK, ALL AT MEAN LOW WATER. PROJECT LENGTH: 16.5 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	2,769,787	1983-----	2,220,459
1979-----	2,283,897	1984-----	2,372,858
1980-----	2,663,907	1985-----	2,505,840
1981-----	2,657,145	1986-----	2,568,786
1982-----	2,582,406	1987-----	2,573,774

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,573,774	1,087,329	8,106	58,368	163,964	1,256,007
1121 COAL AND LIGNITE-----	1,025,252	1,025,252	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	377,143	818	-----	58,368	-----	317,957
2810 SODIUM HYDROXIDE-----	57,784	-----	-----	-----	-----	57,784
2911 GASOLINE-----	110,525	-----	-----	-----	-----	110,525
2913 KEROSENE-----	9,889	-----	-----	-----	-----	9,889
2914 DISTILLATE FUEL OIL-----	507,755	-----	-----	-----	-----	507,755
2915 RESIDUAL FUEL OIL-----	152,776	-----	8,106	-----	-----	144,670
2918 ASPHALT, TAN, AND PITCHES-----	143,711	61,259	-----	-----	-----	82,452
2991 PETROLEUM AND COAL PROD, NEC-----	364	-----	-----	-----	-----	364
4011 IRON AND STEEL SCRAP-----	1,436	-----	-----	-----	-----	1,436
4029 WASTE AND SCRAP, NEC-----	187,139	-----	-----	-----	163,964	23,175
TOTAL TON-MILES, 18,933,952.						

PASSAIC RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM MOUTH UPSTREAM TO GREGORY AVENUE, PASSAIC. CONTROLLING DEPTH: 15 FEET FROM THE JUNCTION OF HACKENSACK AND PASSAIC RIVERS TO C. R. R. OF N. J. BRIDGE. BALANCE OF WATERWAY RANGES, BETWEEN 8.0 AND 14.0 FEET. PROJECT DEPTH: 30, 20, 16 AND 10 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: ABOUT 15.4 MILES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	7,410,402	1,291	1983-----	7,752,330	-----
1979-----	7,255,464	-----	1984-----	6,900,077	-----
1980-----	8,310,199	-----	1985-----	7,829,253	-----
1981-----	7,958,154	-----	1986-----	7,580,618	-----
1982-----	9,352,474	-----	1987-----	7,414,292	-----

## NEW YORK, NY, DISTRICT

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PASSAIC RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	7,414,292	148,887	44,900	644,088	1,932,091	12,512	1,782,350	2,849,464
0129 FIELD CROPS, NEC-----	1	1						
0131 FRESH FRUITS-----	85		85					
0141 FRESH AND FROZEN VEGETABLES-----	29	29						
1442 SAND, GRAVEL, CRUSHED ROCK-----	74,342					7,280		67,062
2014 TALLOW, ANIMAL FATS AND OILS-----	44,594		44,594					
2034 VEGETABLES AND PREP, NEC-----	47	47						
2039 PREP FRUIT AND VEG JUICE, NEC-----	93	93						
2081 ALCOHOLIC BEVERAGES-----	32		32					
2099 MISCELLANEOUS FOOD PRODUCTS-----	18		18					
2211 BASIC TEXTILE PRODUCTS-----	132	32	100					
2311 APPAREL-----	15	15						
2711 PRINTED MATTER-----	10		10					
2813 ALCOHOLS-----	3,274	1,127		2,147				
2817 BENZENE AND TOLUENE-----	2,762							2,762
2818 SULPHURIC ACID-----	29,470				29,470			
2819 BASIC CHEMICALS AND PROD, NEC-----	67,494			57,754				9,740
2821 PLASTIC MATERIALS-----	22		22					
2911 GASOLINE-----	3,604,726			267,991	1,443,798		651,367	1,241,570
2912 JET FUEL-----	4,328			4,328				
2913 KEROSENE-----	32,903			7,132			8,996	16,775
2914 DISTILLATE FUEL OIL-----	2,149,380			143,354	432,181		315,100	1,258,745
2915 RESIDUAL FUEL OIL-----	325,776			42,592	26,642	5,232	25,892	225,418
2916 LUBRICATING OILS AND GREASES-----	41							41
2918 ASPHALT, TAR, AND PITCHES-----	147,530	147,530						
3241 BUILDING CEMENT-----	118,790			118,790				
3291 MISC NONMETALLIC MINERAL PROD-----	3	3	3	3	3	3	3	3
3411 FABRICATED METAL PRODUCTS-----	18		18					
3511 MACHINERY, EXCEPT ELECTRICAL-----	5		5					
3611 ELECTRICAL MACH AND EQUIP-----	8	3	5					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3		3					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2		2					
3911 MISC MANUFACTURED PRODUCTS-----	13	10	3					
4029 WASTE AND SCRAP, NEC-----	808,342						780,995	27,347
4112 COMMODITIES, NEC-----	4							4
TOTAL TON-MILES, 11,717,735.								

NEW YORK AND NEW JERSEY CHANNELS, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM MAIN SHIP CHANNEL NORTHWEST OF SANDY HOOK THROUGH LOWER NEW YORK BAY, RARITAN BAY, PERTH AMBOY ANCHORAGE, ARTHUR KILL AND KILL VAN KULL TO UPPER NEW YORK BAY. CONTROLLING DEPTH: 35 FEET FROM A JUNCTION WITH MAIN SHIP CHANNEL TO VICINITY OF TOTTEVILLE; 37 FEET IN PERTH AMBOY ANCHORAGE; BALANCE OF WATERWAY RANGES FROM 20 TO 35 FEET. PROJECT DEPTH: 37 FEET IN ROCK AND 35 FEET IN SOFT MATERIAL THROUGHOUT, EXCEPT IN CHANNEL SOUTH OF SHOOTERS ISLAND WHERE THE DEPTH WILL BE 30 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: 30.8 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC			
				RAILROAD FREIGHT CARS			
				RECEIPTS		SHIPMENTS	
				EMPTY	LOADED	EMPTY	LOADED
1978-----	106,569,826	30,344	27,805,200	383	105	-----	69
1979-----	93,901,689	31,920	25,371,720	645	455	9	457
1980-----	95,976,421	66,240	26,648,113	-----	-----	-----	-----
1981-----	90,446,022	73,120	25,786,611	-----	-----	-----	-----
1982-----	99,250,440	81,540	24,916,095	-----	-----	-----	-----
1983-----	86,968,163	93,826	23,585,266	-----	-----	-----	-----
1984-----	91,412,606	10,060	25,399,538	-----	-----	-----	-----
1985-----	85,050,394	11,120	27,329,035	-----	-----	-----	-----
1986-----	88,056,115	18,827	26,562,698	-----	-----	-----	-----
1987-----	78,684,383	13,428	29,356,447	-----	-----	-----	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	78,684,383	9,665,373	165,849	13,736,826	19,854,565	903,454	6,248,366	26,109,950
0105 RICE-----	112	112	-----	-----	-----	-----	-----	-----
0111 SOYBEANS-----	269	-----	269	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	58	50	8	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	1	-----	1	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	419	-----	419	-----	-----	-----	-----	-----
0133 COFFEE-----	4,635	4,314	321	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	318	28	290	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	349	250	99	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	20	1	19	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	309	264	45	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	1,309	1,257	52	-----	-----	-----	-----	-----



NEW YORK AND NEW JERSEY CHANNELS, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL			
						RECEIPTS	SHIPMENTS		
0911 FRESH FISH, EXCEPT SHELLFISH	303	101	202						
0912 SHELLFISH, EXCEPT PREPARED	607	519	88						
1041 MANUFACTURED ONES, CONCENTRATES	117		117						
1091 NONFERROUS ORES, CONCENT, NEC	88	81	7						
1121 COAL AND LIGNITE	18	18							
1311 CRUDE PETROLEUM	6,797,706	2,848,372		2,818,371				1,130,963	
1412 BUILDING STONE, UNWORKED	51		51						
1442 SAND, GRAVEL, CRUSHED ROCK	673,897	39	7	8,696		472,548		192,607	
1451 CLAY	151,720	151,720							
1471 PHOSPHATE ROCK	22		22						
1491 SALT	129,309	129,309							
1494 GYPSUM, CRUDE AND PLASTERS	7		7						
1499 NONMETALLIC MINERALS, NEC	247	35	212						
1911 SHOVANCE AND ACCESSORIES	7	6	1						
2011 MEAT, FRESH, CHILLED, FROZEN	477	190	287						
2012 MEAT AND PRODUCTS, NEC	730	670	60						
2014 TALLOW, ANIMAL FATS AND OILS	5,296		5,296						
2015 ANIMAL BY-PRODUCTS, NEC	605	633	62						
2021 DAIRY PRODUCTS, NEC	724	692	32						
2022 DRIED MILK AND CREAM	397		397						
2031 FISH AND SHELLFISH, PREPARED	405	342	63						
2034 VEGETABLES AND PREP, NEC	3,163	2,984	179						
2039 PREP FRUIT AND VEG JUICE, NEC	1,089	929	160						
2041 WHEAT FLOUR AND SEMOLINA	22		22						
2042 ANIMAL FEEDS	438	449	389						
2049 GRAIN MILL PRODUCTS, NEC	328	51	277						
2062 MOLASSES	17,088	17,088							
2081 ALCOHOLIC BEVERAGES	5,143	4,790	353						
2091 VEGETABLE OILS, MANG, SHORT	69,275	35,501	87					33,687	
2095 ICE	237	237							
2099 MISCELLANEOUS FOOD PRODUCTS	1,734	939	799						
2111 TOBACCO MANUFACTURES	1	1							
2211 BASIC TEXTILE PRODUCTS	2,067	1,727	340						
2212 TEXTILE FIBERS, NEC	343	343							
2311 APPAREL	454	426	28						
2411 LOGS	23		23						
2421 LUMBER	455	93	362						
2431 VENEER, PLYWOOD, WORKED WOOD	45	14	31						
2491 WOOD MANUFACTURES, NEC	310	254	56						
2511 FURNITURE AND FIXTURES	1,157	1,054	103						
2611 PULP	6,064	6,064							
2621 STANDARD NEWSPRINT PAPER	1,156	97	1,059						
2631 PAPER AND PAPERBOARD	1,095	498	597						
2691 PULP AND PAPER PRODUCTS, NEC	989	821	168						
2711 PRINTED MATTER	668	250	418						
2810 SODIUM HYDROXIDE	238,524			168,484	13,877			56,163	
2811 CRUDE TAR, OIL, GAS PRODUCTS	35,714	30,492	25	5,197					
2812 DYES, PIGMENT, TANNING MATS	31		31						
2813 ALCOHOLS	583,554	219,601	2,654	344,162		10,666		6,471	
2817 BENZENE AND TOLUENE	248,795	5,784		175,326	18,271			49,414	
2818 SULFURIC ACID	40,755			950	39,805				
2819 BASIC CHEMICALS AND PROD, NEC	1,275,769	296,180	8,899	825,350	22,253			123,007	
2821 PLASTIC MATERIALS	5,959	1,455	4,504						
2822 SYNTHETIC RUBBER	278		278						
2823 SYNTHETIC (MAN-MADE) FIBERS	72		72						
2831 DRUGS	76	21	55						
2841 SOAP	8,464	7,497	467						
2851 PAINTS	2,155	1,975	180						
2871 NITROGENOUS CHEM FERTILIZERS	78	78							
2876 INSECTICIDES, DISINFECTANTS	115		115						
2879 FERTILIZER AND MATERIALS, NEC	129		129						
2891 MISCELLANEOUS CHEMICAL PROD	54,686	12,547	18,195	23,292	662				
2911 GASOLINE	26,205,055	3,048,378	23,851	1,718,522	10,013,610		2,854,542	8,546,152	
2912 JET FUEL	1,706,963	15,673		736,607	657,553		162,295	134,835	
2913 KEROSENE	545,923			79,852	180,398		152,165	133,528	
2914 DISTILLATE FUEL OIL	15,811,903	216,374	39,283	3,340,054	3,899,290	46,600	1,167,069	7,113,231	
2915 RESIDUAL FUEL OIL	14,441,019	2,086,514		2,132,710	3,298,550	13,127	1,082,168	5,831,950	
2916 LUBRICATING OILS AND GREASES	642,962	19,030	14,596	585,880	7,332			16,124	
2917 NAPHTHA, PETROLEUM SOLVENTS	1,451,952	272,776		627,394	247,057		41,145	263,580	
2918 ASPHALT, TAR, AND BITUMENS	2,009,364	119,910	6,284	83,434	1,860,467		81,908	257,357	
2921 LIQUEFIED GASES	78,902	78,902							
2991 PETROLEUM AND COAL PROD, NEC	85,246			52,758	1,790		15,745	14,953	
3011 RUBBER AND MISC PLASTIC PROD	3,009	1,960	1,049						
3111 LEATHER AND LEATHER PRODUCTS	2,050	1,821	229						
3211 GLASS AND GLASS PRODUCTS	2,101	2,014	87						
3241 BUILDING CEMENT	366,715		3	7,883	7,650	371,179			
3251 STRUCTURAL CLAY PRODUCTS	1,136	1,117	19						
3281 CUT STONE AND STONE PRODUCTS	683	683							
3291 MISC NONMETALLIC MINERAL PROD	1,211	1,152	59						
3314 IRON AND STEEL PRIMARY FORMS	54		54						
3315 IRON, STEEL SHAPES, EXC SHEET	511	428	83						
3316 IRON AND STEEL PLATES, SHEETS	138		138						
3317 IRON AND STEEL PIPE AND TUBE	123	117	6						
3319 FERROALLOYS	28		28						
3319 IRON AND STEEL PRODUCTS, NEC	141	118	23						
3321 NONFERROUS METALS, NEC	406	346	60						
3322 COPPER ALLOYS, UNWORKED	516	438	78						
3323 LEAD AND ZINC, UNWORKED	24		24						
3324 ALUMINUM AND ALLOYS, UNWORKED	227	200	27						
3411 FABRICATED METAL PRODUCTS	2,671	2,199	470					2	
3511 MACHINERY, EXCEPT ELECTRICAL	2,946	1,821	1,125						
3611 ELECTRICAL MACH AND EQUIP	1,717	844	873						
3711 MOTOR VEHICLES, PARTS, EQUIP	1,518	485	633						

# NEW YORK, NY, DISTRICT

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NEW YORK AND NEW JERSEY CHANNELS, N. Y. AND N. J.  
(INCLUDED IN PORT OF NEW YORK)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
3721 AIRCRAFT AND PARTS-----	46	-----	46	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	64	-----	64	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	54	-----	54	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	962	232	730	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	1,322	1,257	65	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	15,779	-----	15,779	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	1,155	-----	1,155	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	1,170	79	1,091	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	7,284	-----	7,284	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	4,685,979	-----	-----	1,932	-----	-----	680,663	4,203,384
4111 WATER-----	1,921	-----	-----	-----	-----	-----	-----	1,921
4112 COMMODITIES, NEC-----	1,795	362	892	-----	-----	-----	-----	541
9999 DEPARTMENT OF DEFENSE AND SCI-----	114	-----	114	-----	-----	-----	-----	-----
TOTAL TON-MILES, 1,072,280,155.								

RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, N. J. (INCLUDED IN PORT OF NEW YORK)

SECTION INCLUDED: FROM RARITAN RIVER CHANNEL OFF SOUTH AMBOY TO THE SOUTHERLY END OF ARTHUR KILL CHANNEL. CONTROLLING DEPTH: (1971) 18 FEET MEAN LOW WATER. PROJECT DEPTH: 20 FEET MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	THROUGH TRAFFIC (TONS)	YEAR	THROUGH TRAFFIC (TONS)
1978-----	2,965,228	1983-----	2,839,124
1979-----	2,147,384	1984-----	2,778,118
1980-----	2,906,336	1985-----	2,778,696
1981-----	2,906,336	1986-----	2,629,792
1982-----	3,201,044	1987-----	3,938,625

NEW YORK HARBOR, N. Y. LOWER ENTRANCE CHANNELS

SECTION INCLUDED: AMBROSE, MAINSHIP, BAYSIDE, AND SANDY HOOK CHANNELS. CONTROLLING DEPTH: (1973) AMBROSE CHANNEL, 45 FEET; (1972) MAINSHIP CHANNEL, 30 FEET; (1972) BAYSIDE AND SANDY HOOK CHANNELS, 35 FEET. PROJECT DEPTH: AMBROSE CHANNEL, 45 FEET, 13.6 MILES; BAYSIDE AND SANDY HOOK CHANNELS, 35 FEET, 6.3 MILES; MAINSHIP CHANNEL, 30 FEET, 5.2 MILES. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	FOREIGN (TONS)	COASTWISE (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	FOREIGN (TONS)	COASTWISE (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	65,732,645	52,681,471	118,414,116	153,757	1983-----	48,766,716	39,152,960	87,919,676	-----
1979-----	60,000,599	45,717,960	105,718,559	-----	1984-----	55,362,676	39,953,368	95,316,044	-----
1980-----	53,713,516	45,266,054	98,979,570	-----	1985-----	52,060,724	38,463,280	90,524,004	-----
1981-----	50,119,164	40,825,834	90,944,998	-----	1986-----	56,370,033	42,084,827	98,454,860	-----
1982-----	45,421,280	39,691,661	85,112,941	-----	1987-----	55,338,202	39,074,394	94,412,596	-----

## Waterborne Commerce of the United States, 1987

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE  
PORT OF NEW YORK

(NET TRAFFIC, ELIMINATING ALL KNOWN DUPLICATIONS)

## COMPARATIVE STATEMENT

(SHORT TONS)

YEAR	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	COASTWISE				
				RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
1938	11,310,229	11,463,421	6,653,303	30,911,353	7,074,533	4,389,879	2,057,952	48,249,728
1939	123,316,596	13,557,616	7,872,421	34,418,500	7,216,324	5,495,186	2,432,227	51,924,322
1940	129,712,136	12,835,225	10,413,062	33,420,944	8,354,336	4,632,566	2,555,282	57,100,771
1941	139,597,449	21,665,727	13,674,944	34,238,217	8,797,533	4,221,154	3,928,425	53,091,449
1942	101,440,746	9,351,036	11,146,843	11,627,193	8,196,500	5,090,938	1,119,284	55,346,932
1943	111,813,422	15,119,544	20,476,813	6,668,141	9,042,807	2,719,371	1,258,040	56,558,766
1944	110,282,139	15,203,964	21,154,814	6,086,512	9,557,576	2,017,575	974,020	55,277,674
1945	103,962,023	14,484,592	17,178,203	9,913,440	8,434,263	2,173,763	1,620,356	50,257,406
1946	138,553,342	9,159,021	26,351,708	8,247,301	2,264,044	1,859,635	46,995,660	
1947	135,373,124	16,210,961	15,533,406	34,363,440	8,446,324	2,426,457	3,269,385	51,123,155
1948	137,664,956	19,678,027	10,259,918	42,364,833	8,952,344	3,117,731	3,422,943	49,869,120
1949	127,952,821	20,319,006	9,294,512	38,617,196	7,828,457	3,282,944	3,257,647	45,348,059
1950	144,943,558	25,481,429	7,001,064	45,391,778	8,729,265	3,806,371	4,027,759	50,505,892
1951	151,786,784	25,157,156	9,803,387	45,736,662	9,705,031	5,047,623	4,317,315	52,019,610
1952	140,419,198	27,798,540	8,999,418	41,773,378	9,701,892	4,679,261	4,305,775	44,060,934
1953	139,395,114	28,837,891	6,720,527	42,964,587	10,333,731	3,916,931	4,114,081	42,507,370
1954	137,353,454	28,370,760	7,077,334	41,405,031	9,702,114	5,078,037	3,407,043	42,313,135
1955	144,848,131	30,273,674	8,623,893	42,320,456	10,374,520	5,333,907	3,840,561	48,081,120
1956	154,704,501	31,683,792	9,165,097	44,876,420	11,356,189	5,492,890	4,212,434	47,921,479
1957	147,536,848	32,011,981	9,991,303	41,509,848	10,941,811	5,298,193	3,913,376	43,827,336
1958	145,531,300	34,437,067	7,037,697	40,764,437	12,045,085	4,697,682	3,660,533	42,848,799
1959	154,155,873	39,108,306	6,808,963	43,643,002	13,582,417	5,378,590	3,830,967	41,803,728
1960	153,194,620	37,455,274	7,594,411	42,912,316	13,775,107	4,496,237	3,761,119	43,314,157
1961	144,764,869	34,670,332	6,918,837	45,465,352	12,674,679	4,079,129	3,911,690	37,040,850
1962	154,476,496	38,544,054	7,360,952	43,280,212	13,161,910	6,203,018	4,327,672	41,898,662
1963	154,772,656	40,015,426	7,228,008	43,295,456	14,214,371	5,961,364	4,579,718	39,478,313
1964	149,150,611	41,351,036	7,704,677	39,089,972	14,353,158	5,425,553	4,254,587	36,971,628
1965	153,830,418	47,528,265	6,401,808	32,918,365	16,391,562	4,638,342	4,925,667	40,726,409
1966	157,071,892	49,984,206	7,194,832	31,373,309	16,960,784	4,982,442	5,319,216	41,257,103
1967	157,548,704	49,284,036	6,979,491	29,463,505	19,634,755	5,356,784	6,544,662	50,285,467
1968	174,799,789	53,584,562	6,756,764	28,316,178	21,076,003	5,653,345	14,011,956	45,386,981
1969	171,244,008	50,260,716	6,417,340	28,881,366	21,007,525	6,260,723	14,076,677	44,339,661
1970	174,004,108	50,792,115	7,139,979	35,915,528	18,794,679	6,717,541	13,882,249	41,962,017
1971	181,024,684	48,355,655	5,590,124	37,198,267	20,625,332	7,031,093	15,294,756	46,929,459
1972	196,412,857	56,169,911	5,608,515	36,920,738	20,849,290	6,597,729	16,067,310	54,629,364
1973	216,896,434	72,581,079	6,784,042	32,943,199	22,490,888	7,498,093	19,075,458	55,519,675
1974	195,095,611	58,665,637	7,862,062	33,910,481	22,669,120	6,269,873	17,324,186	48,494,252
1975	177,814,618	44,965,523	6,725,527	32,991,272	21,696,036	3,825,387	16,650,104	46,960,769
1976	179,566,763	53,291,96	6,245,913	32,871,748	24,092,137	5,397,388	15,610,002	42,077,779
1977	165,292,125	60,921,097	5,686,919	32,175,110	25,099,262	3,054,647	14,604,109	43,750,781
1978	146,733,185	55,923,386	6,033,481	34,440,099	24,536,075	3,931,724	15,473,863	45,534,553
1979	153,620,970	49,499,336	6,756,929	26,657,600	21,492,523	4,038,044	15,596,355	39,520,020
1980	166,991,220	42,715,042	7,476,566	26,503,681	24,882,954	4,535,018	16,217,172	44,660,787
1981	156,551,936	41,430,329	6,811,330	24,266,720	25,533,279	2,720,020	14,936,031	40,855,227
1982	149,255,276	38,095,052	5,665,144	24,945,424	26,926,272	3,231,671	14,935,639	35,455,874
1983	147,307,246	40,913,339	5,357,275	24,046,359	25,459,161	3,683,025	13,356,766	34,091,321
1984	161,676,654	47,369,075	5,341,174	27,190,840	27,869,846	3,842,474	13,619,306	36,453,139
1985	152,052,796	43,174,344	5,812,524	26,813,826	27,542,368	3,010,901	12,778,169	32,921,164
1986	157,800,967	46,592,136	6,162,608	27,772,257	26,507,331	2,657,599	14,514,126	33,594,910
1987	154,536,640	46,506,740	5,534,532	24,173,720	26,723,369	2,603,340	14,245,174	34,749,805

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	154,536,680	46,506,740	5,534,532	24,173,720	26,723,369	2,633,340	14,245,174	34,749,805
0101 COTTON, RAW-----	346	-----	189	7	150	-----	-----	-----
0102 BARLEY AND RYE-----	322	217	105	-----	-----	-----	-----	-----
0103 CORN-----	3,318	379	2,793	-----	144	-----	-----	-----
0104 OATS-----	66	-----	20	-----	46	-----	-----	-----
0105 RICE-----	15,993	15,346	624	-----	23	-----	-----	-----
0106 SORGHUM GRAINS-----	2,765	-----	421	17	2,327	-----	-----	-----
0111 SOYBEANS-----	8,546	-----	8,546	-----	-----	-----	-----	-----
0119 DULSEEDS, NEC-----	10,046	7,145	924	3	34	-----	-----	-----
0121 TOBACCO, LEAF-----	7,338	-----	3,028	503	245	-----	-----	-----
0122 HAY AND FOODING-----	1,529	-----	-----	-----	1,529	-----	-----	-----
0129 FIELD CROPS, NEC-----	23,932	22,129	1,060	564	175	-----	-----	-----
0131 FRESH FRUITS-----	42,019	9,010	27,694	2,281	3,034	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	573,235	571,366	66	-----	1,803	-----	-----	-----
0133 COFFEE-----	320,549	301,865	6,092	415	12,177	-----	-----	-----
0134 COCOA BEANS-----	15,129	31,480	205	2,919	125	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	110,406	25,707	13,376	13,402	57,921	-----	-----	-----

CONSOLIDATED STATEMENT OF INTERNATIONAL COMMERCE OF THE  
PORT OF NEW YORK--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
0151 LIVE ANIMALS-----	950	89	22	-----	839	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	50,288	22,193	26,277	-----	1,818	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	27,350	21,891	1,692	-----	3,767	-----	-----	-----
0861 CRUDE RUBBER AND ALLIED GUMS-----	33,783	31,734	1,956	-----	93	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	74,202	61,427	8,405	147	4,223	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	92,215	66,309	11,401	8,970	5,135	400	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	77,415	79,455	6,230	128	600	2	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	250	245	5	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	26,599	26,563	20	-----	16	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	104	-----	104	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	8,615	7,348	1,267	-----	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	453	-----	117	-----	336	-----	-----	-----
1091 NONFERROUS ORES, CONCENT., NEC-----	15,529	6,625	8,896	-----	8	-----	-----	-----
1121 COAL AND LIGNITE-----	1,275,373	151	249,444	1,025,252	526	-----	-----	-----
1311 CRUDE PETROLEUM-----	10,601,788	6,351,968	18	3,059,631	-----	59,208	1,130,963	-----
1411 LIMESTONE-----	2,311	120	1,965	-----	226	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	6,964	-----	6,532	-----	432	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,813,444	108,986	14,055	210,345	342,749	1,957,393	74,722	1,105,194
1451 CLAY-----	220,592	199,993	19,809	-----	790	-----	-----	-----
1471 PHOSPHATE ROCK-----	3,925	472	3,453	-----	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	4	-----	-----	-----	-----	-----	-----	-----
1491 SALT-----	530,663	519,881	4,436	-----	6,346	-----	-----	-----
1492 SULPHUR, DRY-----	4,799	-----	4,799	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	65,349	64,091	1,240	-----	1A	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	222,080	152,554	65,314	-----	3,371	-----	861	-----
1911 ORDNANCE AND ACCESSORIES-----	6,614	4,124	2,470	20	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	99,329	15,329	46,522	1,083	36,991	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	141,653	105,286	3,165	265	32,937	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	84,674	-----	88,678	-----	196	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	14,025	5,658	11,577	734	36	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	128,773	106,264	4,780	274	17,455	-----	-----	-----
2022 DRIED MILK AND CREAM-----	34,915	738	20,497	575	13,195	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	230,322	76,546	7,606	58,327	88,343	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	323,151	273,936	10,319	6,630	32,276	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	555,925	517,141	13,873	7,818	16,993	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	4,500	-----	2,060	-----	6,480	-----	-----	-----
2042 ANIMAL FEEDS-----	52,761	22,679	22,534	3,587	3,961	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	139,067	106,741	22,224	45	9,997	-----	-----	-----
2061 SUGAR-----	956,727	631,991	1,965	319,527	3,244	-----	-----	-----
2062 MOLASSES-----	25,295	23,074	157	-----	2,064	-----	-----	-----
2091 ALCOHOLIC BEVERAGES-----	931,950	809,950	21,328	7,013	93,659	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	349,057	293,648	10,332	2,649	7,953	-----	34,475	-----
2092 ANIMAL OILS AND FATS, NEC-----	5,149	3,629	1,497	-----	23	-----	-----	-----
2094 GROCERIES-----	254	-----	-----	25	229	-----	-----	-----
2095 ICE-----	87,954	87,954	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	515,947	307,654	47,090	33,230	127,993	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	11,802	1,195	2,575	5,423	2,609	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	230,567	164,651	52,041	412	13,463	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	15,064	12,695	68	-----	2,301	-----	-----	-----
2311 APPAREL-----	211,144	142,659	3,686	16,810	48,180	-----	-----	-----
2411 LOGS-----	9,218	3,400	5,720	98	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	4,096	1,108	1,990	-----	998	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	2,330	2,328	22	-----	-----	-----	-----	-----
2415 PULPWOOD, LOG-----	141	-----	101	40	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	12,916	11,488	1,428	-----	-----	-----	-----	-----
2421 LUMBER-----	407,132	337,849	68,357	163	763	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	11,802	9,899	1,348	-----	555	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	54,834	47,358	4,646	466	1,954	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	254,594	219,457	11,047	655	23,215	-----	-----	-----
2611 PULP-----	103,374	93,621	9,753	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	91,646	60,640	30,756	-----	250	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	247,225	156,114	84,558	101	6,452	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	145,292	41,278	26,423	2,406	75,185	-----	-----	-----
2711 PRINTED MATTER-----	109,844	68,082	27,716	88	4,954	-----	-----	-----
2810 SODIUM HYDROXIDE-----	265,384	-----	-----	168,484	14,225	-----	-----	82,675
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	113,321	107,238	884	5,197	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	9,835	-----	9,149	50	596	-----	-----	-----
2813 ALCOHOLS-----	674,121	291,588	12,483	346,475	6,438	-----	10,666	6,471
2816 RADIOACTIVE MATERIALS, WASTES-----	1,464	212	1,252	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	266,187	5,784	225	192,493	18,271	-----	-----	49,814
2818 SULPHURIC ACID-----	84,904	-----	-----	5,950	78,954	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,332,256	751,516	193,295	1,161,711	94,896	-----	-----	130,838
2821 PLASTIC MATERIALS-----	447,003	186,196	239,342	42	21,423	-----	-----	-----
2822 SYNTHETIC RUBBER-----	45,170	5,260	29,382	67	10,461	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	24,265	19,017	4,841	31	376	-----	-----	-----
2831 OILS-----	67,696	37,758	11,541	14,314	4,083	-----	-----	-----
2841 SOAP-----	155,506	57,374	41,207	11,562	45,559	-----	-----	-----
2851 PAINTS-----	134,801	115,369	15,578	693	3,161	-----	-----	-----
2951 GUM AND GUM CHEMICALS-----	3,289	1,915	1,074	152	148	-----	-----	-----
2971 NITROGENOUS CHEM FERTILIZERS-----	35,374	34,706	668	-----	42	-----	-----	-----
2972 POTASSIUM CHEM FERTILIZERS-----	11,380	11,120	218	-----	142	-----	-----	-----
2973 PHOSPHATIC CHEM FERTILIZERS-----	635	275	178	-----	90	-----	-----	-----
2976 INSECTICIDES, DISINFECTANTS-----	21,671	6,763	12,676	2,142	383	-----	-----	-----
2979 FERTILIZER AND MATERIALS, NEC-----	3,587	1,484	1,720	-----	-----	-----	-----	-----
2991 MISCELLANEOUS CHEMICAL PROD-----	214,192	71,057	112,573	28,539	6,023	-----	-----	-----
2911 GASOLINE-----	57,890,266	9,539,598	25,340	2,747,536	12,515,108	1,699,106	9,403,578	-----
2912 JET FUEL-----	2,219,529	277,524	15,676	926,296	700,771	162,295	136,967	-----
2913 KEROSENE-----	953,773	134	175	266,794	229,662	188,518	268,500	-----
2914 DISTILLATE FUEL OIL-----	21,610,442	1,034,577	39,509	5,336,576	4,835,623	50,315	1,829,453	8,484,589
2915 RESIDUAL FUEL OIL-----	34,717,893	13,930,884	-----	6,199,218	4,167,619	18,359	2,108,189	8,297,624
2916 LUBRICATING OILS AND GREASES-----	739,035	47,781	51,293	401,549	22,284	-----	-----	16,128
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,799,124	541,126	1,736	678,737	252,000	-----	41,145	263,580
2919 ASPHALT, TAR, AND PITCHES-----	2,381,443	313,557	7,187	209,636	1,450,581	44,236	81,908	264,338

## Waterborne Commerce of the United States, 1987

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE  
PORT OF NEW YORK--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2920 COKE, PETROLEUM COKE-----	41,546	41,320	226	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	91,605	88,576	1,944	-----	1,085	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	3,022	-----	2,133	-----	889	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	124,121	26,197	4,646	53,022	9,558	-----	15,745	14,953
3011 RUBBER AND MISC PLASTIC PROD-----	397,098	312,672	38,233	3,170	43,023	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	154,041	130,369	13,210	2,043	8,419	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	184,156	158,650	15,916	573	9,017	-----	-----	-----
3241 BUILDING CEMENT-----	1,747,620	1,051,627	2,378	137,347	9,783	532,635	-----	13,850
3251 STRUCTURAL CLAY PRODUCTS-----	280,144	230,023	9,394	4	40,723	-----	-----	-----
3271 LIME-----	51	-----	51	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	189,715	176,331	2,984	-----	10,400	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	146,301	112,889	22,574	337	10,901	-----	-----	-----
3311 PIG IRON-----	52,421	20,210	32,175	-----	36	-----	-----	-----
3312 SLAG-----	26	-----	-----	26	-----	-----	-----	-----
3313 COKE, PET ASPHALTS, SOLVENTS-----	25	-----	-----	-----	25	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	200,310	195,185	877	-----	4,248	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	241,018	199,557	5,221	-----	36,240	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	63,616	528	60,032	39	3,017	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	40,974	31,685	2,291	872	6,126	-----	-----	-----
3318 FERROALLOYS-----	27,079	14,862	3,093	9,124	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	59,498	43,262	9,676	89	6,471	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	52,238	40,756	4,136	15	3,331	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	131,037	112,296	10,181	-----	8,560	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	18,961	13,793	4,591	-----	577	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	72,620	52,698	13,874	124	5,920	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	621,669	469,187	62,594	4,120	85,766	-----	-----	2
3511 MACHINERY, EXCEPT ELECTRICAL-----	707,173	471,606	165,686	3,108	66,773	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	498,534	372,663	86,694	7,610	31,567	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	934,869	819,001	71,205	2,887	41,776	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	4,697	491	3,450	-----	756	-----	-----	-----
3731 SHIPS AND BOATS-----	13,964	7,318	6,405	15	226	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	21,657	15,513	5,781	189	174	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	185,563	121,832	58,898	854	3,979	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	374,646	261,412	13,873	34,509	64,850	-----	-----	2
4011 IRON AND STEEL SCRAP-----	2,174,823	916	1,694,265	40,174	11,310	-----	-----	428,158
4012 NONFERROUS METAL SCRAP-----	120,627	2,185	114,432	3,836	174	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	101,983	2,795	95,092	1,400	2,696	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	791,582	2,792	788,735	33	22	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	10,348,533	-----	-----	49,975	6,178	5,978,219	-----	4,314,161
4111 WATER-----	3,089	-----	-----	-----	-----	-----	-----	3,089
4112 COMMODITIES, NEC-----	1,145,064	46,065	85,371	140,895	573,318	-----	-----	299,415
4119 EMPTY CONTAINERS-----	63	-----	-----	23	40	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	15,542	-----	15,542	-----	-----	-----	-----	-----

# NEW YORK, NY, DISTRICT

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## SUMMARY OF TRAFFIC

TOTAL WATERBORNE COMMERCE OF THE PORT OF NEW YORK, 1987

(SHORT TONS)

LOCALITY	TOTAL	FOREIGN		COASTWISE		INTERNAL		LOCAL	PER-CENT	THROUGH TRAFFIC
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS			
PORT CHESTER HARBOR, N. Y.	311,415			9,327		132,884		169,204	.17	
MANARONECK HARBOR, N. Y.										
LARCHMONT HARBOR, N. Y.										
ECHO BAY HARBOR, N. Y.	420				420				.01	
NEW ROCHELLE HARBOR, N. Y.	9,376				5,400		3,976		.03	
EAST CHESTER CREEK, N. Y.	1,517,216			8,333		72,181		1,436,702	.83	
WESTCHESTER CREEK, N. Y.	258,177							258,177	.16	
BROOK RIVER, N. Y.	283,736			6,216		192,824		84,696	.16	
MANHASSET BAY, N. Y.	85,064							85,064	.05	
FLUSHING BAY AND CREEK, N. Y.	1,769,173			21,249		387,900		1,359,020	.97	
HARLEM RIVER, N. Y.	681,969			105,952		157,377		418,580	.37	
HUDSON RIVER, N. Y., LOWER SECTION	849,204	127,755	8,279	220,198			272,502	220,490	.47	16,570,412
HUDSON RIVER CHANNEL, N. Y., AND N. J.	3,039,312	986,083	354,219	4,507		14,506	195,695	1,484,302	1.67	17,401,850
EAST RIVER, N. Y.	9,016,901	1,618,411	57,302	927,533	142,213	52,014	1,834,117	4,385,311	4.95	29,596,926
NEATON CREEK, N. Y.	2,708,621			43,119	9,215	85,610	94,041	2,472,636	1.49	
MALLARUOT CHANNEL, N. Y.										
BUTTERMILK CHANNEL, N. Y.	713,996	522,005	177,936					14,055	.39	208,799
BAY RIDGE AND RED HOOK CHANNELS, N. Y.	1,072,358	141,901	84,000	5,424	3,040	131,428	429,800	276,765	.59	716,623
GOMANUS CREEK CHANNEL, N. Y.	1,586,515	64,129		15,154		77,536		1,429,696	.87	575,873
GOMANUS CANAL, N. Y.	575,873			3,963		102,011		469,899	.32	
GRAVESEND BAY, N. Y.	2,112,344	946,187			21,585		43,582	1,098,990	1.16	41,097
CONY ISLAND CREEK, N. Y.	41,097			7,611		28,971		4,515	.02	
CONY ISLAND CHANNEL, N. Y.										2,263,521
SHEEPSHEAD BAY, N. Y.	119,822						119,822		.07	
EAST ROCKAWAY INLET, N. Y.										1,075,477
JAMAICA BAY, N. Y.	2,981,915			75	2,699	147,250	729,154	2,102,737	1.64	119,822
LEMON CREEK STATEN ISLAND, N. Y.										
GREAT KILLS HARBOR, STATEN ISLAND, N. Y.										
SHOAL HARBOR AND COMPTON CREEK, N. J.	402					402			.01	
KEYPORT HARBOR, N. J.										
CHEESECAKE CREEK, N. J.										
RARITAN RIVER, N. J.	4,646,197		348	19,772	599,790	46,108	774,835	3,205,344	2.55	
ELIZABETH RIVER, N. J.										
RAMMAY RIVER, N. J.										
UPPER BAY, NEW YORK HARBOR, N. Y., AND N. J.	39,016,209	22,334,988	925,134	6,082,087	1,122,285		1,291,167	7,260,548	21.42	95,434,452
SANDY HOOK BAY, N. J.	31,635	1,385	4,561		547			25,142	.02	402
NEARBY BAY, N. J.	20,085,168	9,949,656	3,712,004	1,274,957	3,019,413		257,803	1,921,335	11.02	9,448,549
HACKENSACK RIVER, N. J.	2,573,774			1,087,329	8,106	58,368	163,964	1,256,007	1.41	
PASSIAC RIVER, N. J.	7,414,292	148,887	44,900	644,088	1,932,091	12,512	1,782,350	2,849,464	4.07	
NEW YORK AND NEW JERSEY CHANNELS, N. Y., AND N. J.	78,684,383	2,665,373	165,849	13,736,826	19,854,565	903,454	6,248,366	28,109,950	43.14	29,356,447
RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, N. J.										3,938,625
WYCAKE CREEK, N. J.										
SANDY HOOK BAY AT LEONARDO, N. J.	3,598							3,598	.01	
TOTAL GROSS, UNADJUSTED	182,189,102	46,506,740	5,534,532	24,173,720	26,723,369	2,603,340	14,245,174	62,402,227	100.00	
PERCENT		25.53	3.04	13.27	14.67	1.43	7.82	34	100.00	
NET VOLUME OF TONNAGE OF THE PORT	154,536,680	46,506,740	5,534,532	24,173,720	26,723,369	2,603,340	14,245,174	34,749,805		
PERCENT		30.09	3.58	15.64	17.29	1.68	9.22	22	100.00	

HUDSON RIVER, N. Y., DEEPWATER IN UPPER BAY, N. Y. TO WATERFORD, N. Y. (CONSOLIDATED REPORT)

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC							
			RAILROAD FREIGHT CARS							
			INBOUND (UPBOUND)		OUTBOUND (DOWNBOUND)		UPBOUND		DOWNBOUND	
			EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED
1978	30,080,559	3,672,256	6,820	988	282	8,262				
1979	29,519,840	3,562,450	785	6,423	6,241	867				
1980	27,383,819	4,296,580	4,236	199		4,446				
1981	21,014,511	4,315,354								
1982	20,543,867	4,141,353								
1983	20,046,121	3,756,926								
1984	21,846,113	2,516,213								
1985	19,584,675	1,019,601								
1986	20,670,211	7,434,933	3,485	388	30	4,408				
1987	20,840,622	10,876,883	3,534	493	294	3,684				

## Waterborne Commerce of the United States, 1987

HUDSON RIVER, N. Y., DEEPWATER IN UPPER BAY, N. Y. TO  
WATERFORD, N. Y. (CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	7,415,682	4,258,271	514,975	1,047,942	1,593,163	531	800
0103 CORN-----	92,636	-----	92,636	-----	-----	-----	-----
0105 RICE-----	1,695	1,695	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	1,364	1,353	11	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	107	42	65	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	556	513	43	-----	-----	-----	-----
0131 FRESH FRUITS-----	1,022	257	765	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	139,516	139,450	66	-----	-----	-----	-----
0133 COFFEE-----	4,348	3,572	776	-----	-----	-----	-----
0134 COCOA BEANS-----	5	5	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	1,509	1,064	485	-----	-----	-----	-----
0151 LIVE ANIMALS-----	88	88	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	6,212	3,216	2,996	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	318	248	70	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	11,204	10,779	425	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	2,926	2,723	203	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	7,455	7,228	227	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,496	4,879	617	-----	-----	-----	-----
0931 MARINE SMELLS, UNMANUFACTURED-----	51	51	-----	-----	-----	-----	-----
1051 ALUMINUM DRES, CONCENTRATES-----	458	127	331	-----	-----	-----	-----
1091 NONFERROUS DRES, CONCENT, NEC-----	1,343	311	1,032	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	375,249	375,249	-----	-----	-----	-----	-----
1411 LIMESTONE-----	23	-----	23	-----	-----	-----	-----
1412 BUILDING STONE, WORKED-----	82	-----	82	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	447,630	259	290	4,507	442,574	-----	-----
1451 CLAY-----	1,088	402	686	-----	-----	-----	-----
1491 SALT-----	43,732	43,732	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	424	-----	424	-----	-----	-----	-----
1499 GYPSUM, CRUDE AND PLASTERS-----	1,135,117	1,135,065	52	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	37,933	36,302	1,631	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	604	482	122	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	2,451	1,061	1,390	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	1,624	1,502	122	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,464	-----	1,464	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	3,621	1,394	2,227	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	5,426	5,399	27	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	340	10	330	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	10,870	10,813	57	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	94,693	94,185	508	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	25,693	25,174	519	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	29	-----	29	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	2,393	735	1,658	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	28,823	26,061	2,762	-----	-----	-----	-----
2061 SUGAR-----	347,812	127,613	1	220,198	-----	-----	-----
2062 MOLASSES-----	80,382	80,382	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	109,319	109,791	528	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	20,857	20,213	644	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	644	560	84	-----	-----	-----	-----
2095 ICE-----	4,229	4,229	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	41,251	39,874	1,377	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	66	47	21	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	20,169	16,888	3,281	-----	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	443	443	-----	-----	-----	-----	-----
2311 APPAREL-----	13,786	13,331	455	-----	-----	-----	-----
2411 LOGS-----	794	70	724	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	114	-----	114	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	510	310	-----	-----	-----	-----	-----
2415 PULPWOOD, LOG-----	101	-----	101	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MULDINGS-----	387	91	296	-----	-----	-----	-----
2421 LUMBER-----	6,113	943	5,170	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,231	1,202	29	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	5,670	5,619	51	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	28,096	27,422	674	-----	-----	-----	-----
2611 PULP-----	15,428	13,563	1,865	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	228	228	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	31,018	14,927	16,091	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	5,695	3,071	2,624	-----	-----	-----	-----
2711 PRINTED MATTER-----	19,640	11,575	8,065	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	9,415	9,394	21	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	950	-----	950	-----	-----	-----	-----
2813 ALCOHOLS-----	1,225	747	478	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	1	-----	1	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	47,396	29,457	17,941	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	48,357	18,457	29,900	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	4,855	2,558	2,297	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	4,652	4,486	166	-----	-----	-----	-----
2831 DRUGS-----	3,058	2,391	667	-----	-----	-----	-----
2841 SOAP-----	9,272	3,638	5,634	-----	-----	-----	-----
2851 PAINTS-----	9,296	7,479	1,817	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	560	489	71	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	14,124	14,108	16	-----	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	181	41	140	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	1,479	696	783	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	146	60	86	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	18,961	6,250	12,711	-----	-----	-----	-----
2911 GASOLINE-----	65,881	-----	453	62,572	2,856	-----	-----
2912 JET FUEL-----	43,509	-----	-----	-----	43,509	-----	-----
2913 KEROSENE-----	3,133	134	20	2,979	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	465,243	173,570	-----	289,379	2,294	-----	-----
2915 RESIDUAL FUEL OIL-----	1,198,947	862,137	-----	334,810	-----	-----	-----

## NEW YORK, NY, DISTRICT

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HUDSON RIVER, N. Y., DEEPWATER IN UPPER HAV, N. Y. TO  
WATERFORD, N. Y. (CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGUING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE			
				RECEIPTS	SHIPMENTS	UPBOUND	THROUGH DOWNBOUND
2916 LUBRICATING OILS AND GREASES-----	4,335	126	4,209	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	2,155	-----	113	2,042	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	131,127	106	66	130,955	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	149	186	3	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	475	31	444	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	127	-----	127	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,339	1,840	499	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	34,455	31,134	3,321	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	17,736	16,160	1,576	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	16,014	13,583	2,431	-----	-----	-----	-----
3241 BUILDING CEMENT-----	1,353,793	251,745	78	-----	1,101,930	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	22,229	21,685	544	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	48,668	48,629	39	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	19,793	18,391	1,402	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	5,637	5,564	73	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	12,382	11,956	426	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	15,718	-----	15,718	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,535	1,340	195	-----	-----	-----	-----
3318 FERROALLOYS-----	294	111	183	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,497	5,956	541	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	8,036	7,599	437	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	6,714	5,639	1,075	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	940	675	265	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,901	1,907	994	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	70,574	64,986	5,588	500	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	62,870	45,453	15,495	-----	-----	531	-----
3611 ELECTRICAL MACH AND EQUIP-----	49,355	40,619	8,736	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	55,452	50,051	5,871	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	829	121	708	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	2,016	862	354	-----	-----	-----	400
3791 MISC TRANSPORTATION EQUIPMENT-----	826	533	293	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	16,901	9,306	7,595	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	32,684	30,822	1,862	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	68,074	-----	68,074	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	18,496	240	18,256	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	9,651	164	9,487	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	97,099	-----	97,099	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	15,129	5,801	8,328	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	851	-----	851	-----	-----	-----	-----
TON-MILES, OCEANGUING, 561,307,909.							

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH UPBOUND
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			
TOTAL-----	13,424,940	8,660,434	115,874	4,225,196	84,626	202,879	135,931	-----
1311 CRUDE PETROLEUM-----	95,969	59,208	-----	36,761	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,244,995	154,675	-----	1,942,887	-----	147,433	-----	-----
2813 ALCOHOLS-----	10,666	10,666	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	3,842,723	3,717,664	65,380	1,545	15,881	-----	42,253	-----
2912 JET FUEL-----	193,792	100,762	25,540	-----	5,957	-----	61,533	-----
2913 KEROSENE-----	218,301	218,086	215	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	2,251,996	2,026,664	22,594	105,568	55,542	37,552	4,076	-----
2915 RESIDUAL FUEL OIL-----	2,298,424	2,245,564	2,145	18,359	6,955	15,401	-----	-----
2916 LUBRICATING OILS AND GREASES-----	312	312	-----	-----	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	41,145	41,145	-----	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	126,144	53,839	-----	44,236	-----	-----	28,069	-----
2991 PETROLEUM AND COAL PROD, NEC-----	15,904	15,745	-----	159	-----	-----	-----	-----
3241 BUILDING CEMENT-----	535,124	-----	-----	532,635	-----	2,493	-----	-----
4011 IRON AND STEEL SCRAP-----	18,530	354	-----	17,845	291	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	1,242,297	-----	-----	1,242,297	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	298,614	15,750	-----	282,864	-----	-----	-----	-----

TON-MILES, INTERNAL, 890,634,538.

TONS, ALL TRAFFIC, 20,840,622.

TON-MILES, ALL TRAFFIC, 1,451,942,447.



HUDSON RIVER, N. Y., MOUTH OF SPUYTEN DUYVIL CREEK  
(HARLEM RIVER) TO WATERFORD, N. Y.

SECTION INCLUDED: MOUTH OF SPUYTEN DUYVIL CREEK (HARLEM RIVER) TO WATERFORD, N. Y. CONTROLLING DEPTH: 32 FEET MEAN LOW WATER FROM NEW YORK CITY TO 1,550 FEET SOUTH OF NORTH LIMIT OF 32-FOOT PROJECT; THENCE 14 FEET TO HEAD OF PROJECT AT WATERFORD, N. Y. PROJECT DEPTH: 34 FEET IN ROCK AND 32 FEET IN SOFT MATERIAL MEAN LOW WATER FROM NEW YORK CITY TO ALBANY; 14 FEET LOWEST LOW WATER TO WATERFORD. PROJECT LENGTH: ABOUT 155 MILES. NAVIGATION SEASON: LOWER SECTION: 12 MONTHS. UPPER SECTION: FOR BARGES 8 MONTHS, FOR OCEANGOING VESSELS 12 MONTHS.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978	25,743,749	655,049	1983	17,345,234	946,314
1979	24,410,674	1,117,009	1984	19,076,837	866,541
1980	23,294,158	1,104,844	1985	17,037,424	839,423
1981	17,739,945	1,012,533	1986	17,753,912	1,223,330
1982	17,279,634	880,003	1987	17,615,816	1,109,567

## FREIGHT TRAFFIC, 1987

## OCEANGOING

## (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		THROUGH	
				RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL	6,074,873	3,272,188	160,756	1,043,435	1,593,163	531	800
0103 CORN	92,571		92,571				
0131 FRESH FRUITS	550		550				
0132 BANANAS AND PLANTAINS	136,222	136,222					
0133 COFFEE	179		179				
0141 FRESH AND FROZEN VEGETABLES	39		39				
0161 ANIMALS AND PRODUCTS, NEC	29		29				
0191 MISCELLANEOUS FARM PRODUCTS	66		66				
0911 FRESH FISH, EXCEPT SHELLFISH	60		60				
1311 CRUDE PETROLEUM	375,249	375,249					
1442 SAND, GRAVEL, CRUSHED ROCK	442,595		21		442,574		
1491 SALT	43,689	43,689					
1499 GYPSUM, CRUDE AND PLASTERS	1,135,035	1,135,035					
1499 NONMETALLIC MINERALS, NEC	30,986	30,986					
2011 MEAT, FRESH, CHILLED, FROZEN	45		45				
2015 ANIMAL BY-PRODUCTS, NEC	18		18				
2039 PREP FRUIT AND VEG JUICE, NEC	420	293	127				
2049 GRAIN MILL PRODUCTS, NEC	41		41				
2061 SUGAR	347,866	127,608		220,198			
2062 MOLASSES	80,382	80,382					
2081 ALCOHOLIC BEVERAGES	34		34				
2091 VEGETABLE OILS, MARG, SHORT	16		16				
2099 MISCELLANEOUS FOOD PRODUCTS	64		64				
2211 BASIC TEXTILE PRODUCTS	42		42				
2311 APPAREL	7	7					
2421 LUMBER	23		23				
2491 WOOD MANUFACTURES, NEC	7		7				
2511 FURNITURE AND FIXTURES	30	16	14				
2611 PULP	13,442	13,442					
2631 PAPER AND PAPERBOARD	1,437		1,437				
2691 PULP AND PAPER PRODUCTS, NEC	36		36				
2711 PRINTED MATTER	19		19				
2812 DYES, PIGMENT, TANNING MATS	1		1				
2819 BASIC CHEMICALS AND PROD, NEC	621	19	602				
2821 PLASTIC MATERIALS	934		934				
2822 SYNTHETIC RUBBER	4		4				
2823 SYNTHETIC (MAN-MADE) FIBERS	2		2				
2831 DRUGS	16		16				
2841 SOAP	25		25				
2851 PAINTS	34		34				
2871 NITROGENOUS CHEM FERTILIZERS	14,106	14,106					
2891 MISCELLANEOUS CHEMICAL PROD	2,168	1,887	281				
2911 GASOLINE	65,428			62,572	2,856		
2912 JET FUEL	43,509				43,509		
2913 KEROSENE	2,979			2,979			
2914 DISTILLATE FUEL OIL	465,243	173,570		289,379	2,294		
2915 RESIDUAL FUEL OIL	1,180,046	445,236		334,810			
2916 LUBRICATING OILS AND GREASES	71		71				
2917 NAPHTHA, PETROLEUM SOLVENTS	2,042			2,042			
2918 ASPHALT, TAR, AND PITCHES	130,970		15	130,955			
2921 LIQUEFIED GASES	189		189				
2951 ASPHALT BUILDING MATERIALS	8		8				
2991 PETROLEUM AND COAL PROD, NEC	3		3				
3011 RUBBER AND MISC PLASTIC PROD	123	8	115				
3211 GLASS AND GLASS PRODUCTS	10		10				
3241 BUILDING CEMENT	1,353,715	251,745			1,101,930		
3291 MISC NONMETALLIC MINERAL PROD	41		41				
3316 IRON AND STEEL PLATES, SHEETS	357		357				
3319 IRON AND STEEL PRODUCTS, NEC	20	20					
3321 NONFERROUS METALS, NEC	1		1				
3322 COPPER ALLOYS, UNWORKED	1		1				
3411 FABRICATED METAL PRODUCTS	992	203	289	500			
3511 MACHINERY, EXCEPT ELECTRICAL	4,868	3,692	645			531	
3611 ELECTRICAL MACH AND EQUIP	119	11	108				
3711 MOTOR VEHICLES, PARTS, EQUIP	35,819	35,687	132				
3721 AIRCRAFT AND PARTS	3	1	2				
3731 SHIPS AND BOATS	800						800
3791 MISC TRANSPORTATION EQUIPMENT	3		3				
3811 INSTR, TIME, PHOTO, OPT GOODS	19	1	18				
3911 MISC MANUFACTURED PRODUCTS	5		5				
4011 IRON AND STEEL SCRAP	55,362		55,362				

HUDSON RIVER, N. Y., MOUTH OF SPUYTEN DUYVIL CREEK  
(HARLEM RIVER) TO WATERFORD, N. Y.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH	
						UPBOUND	DOWNBOUND
4012 NONFERROUS METAL SCRAP-----	66	-----	66	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	254	-----	254	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	4,501	-----	4,501	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	1,254	33	1,221	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	2	-----	2	-----	-----	-----	-----
TON-MILES, OCEANGOING, 489,144,563.							

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH UPBOUND
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			
TOTAL-----	11,744,943	8,330,514	115,874	2,893,180	81,071	188,373	135,931	
1311 CRUDE PETROLEUM-----	59,208	59,208	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,165,042	74,722	-----	1,957,393	-----	132,927	-----	-----
2813 ALUMINUM-----	10,666	10,666	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	3,841,178	3,720,924	65,380	-----	12,621	-----	42,253	-----
2912 JET FUEL-----	193,792	100,762	25,540	-----	5,957	-----	61,533	-----
2913 KEROSENE-----	188,733	188,518	215	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	2,105,055	1,934,980	22,594	50,315	55,538	37,552	4,076	-----
2915 RESIDUAL FUEL OIL-----	2,172,847	2,129,987	2,145	18,359	6,955	15,401	-----	-----
2916 LUBRICATING OILS AND GREASES-----	18	18	-----	-----	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	41,145	41,145	-----	-----	-----	-----	-----	-----
2918 ASPHALT, TAN, AND PITCHES-----	126,144	53,839	-----	44,236	-----	-----	28,069	-----
2991 PETROLEUM AND COAL PROD, NEC-----	15,745	15,745	-----	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	535,128	-----	-----	532,635	-----	2,493	-----	-----
4029 WASTE AND SCRAP, NEC-----	290,242	-----	-----	290,242	-----	-----	-----	-----
TON-MILES, INTERNAL, 756,653,260.								

TONS, ALL TRAFFIC, 17,815,816.  
TON-MILES, ALL TRAFFIC, 1,245,797,823.

TARRYTOWN HARBOR, N. Y.  
(INCLUDED IN STATISTICS FOR HUDSON RIVER)

SECTION INCLUDED: A CHANNEL ALONG THE WHARF FRONT; AND NORTHERLY AND SOUTHERLY CONNECTING CHANNELS TO DEEP WATER IN THE HUDSON RIVER.  
CONTROLLING DEPTH: 9 FEET IN NORTH BRANCH AND 10 FEET ALONG WHARF FRONT AND 10 FEET IN SOUTH BRANCH. PROJECT DEPTH: 12 FEET. ALL  
AT MEAN LOW WATER. PROJECT LENGTH: 1 MILE. NAVIGATION SEASON: 10 MONTHS OF THE YEAR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	430,794	1983-----	432,714
1979-----	470,287	1984-----	563,231
1980-----	433,203	1985-----	320,083
1981-----	338,750	1986-----	270,181
1982-----	395,802	1987-----	304,741

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL
		RECEIPTS
TOTAL-----		304,741
1442 SAND, GRAVEL, CRUSHED ROCK-----		207,649
2914 DISTILLATE FUEL OIL-----		78,374
2915 RESIDUAL FUEL OIL-----		18,718

## Waterborne Commerce of the United States, 1987

PORT OF ALBANY, N. Y.  
(INCLUDED IN STATISTICS FOR HUDSON RIVER)

SECTION INCLUDED: FROM THE SOUTHERLY END OF CABBAGE ISLAND OR ISLAND CREEK TO THE NORTHERLY LIMITS OF THE CITIES OF RENSSELAER AND ALBANY. CONTROLLING DEPTH: 32 FEET MEAN LOW WATER FROM THE SOUTHERLY END OF CABBAGE ISLAND TO 4,500 FEET SOUTH OF NORTH LIMIT OF 32-FOOT PROJECT; THENCE 13 FEET TO NORTH LIMIT OF 32-FOOT PROJECT; THENCE 14 FEET TO WATERFORD, PROJECT DEPTH: 34 FEET IN ROCK AND 32 FEET IN SOFT MATERIAL TO A POINT ABOUT 2,200 FEET SOUTH OF DUYN MEMORIAL BRIDGE; THENCE 14 FEET TO WATERFORD, ALL AT MEAN LOW WATER EXCEPT FROM ALBANY TO TROT LOCK AND DAM WHICH IS AT LOWEST LOW WATER. NAVIGATION SEASON: FOR BARGES, 6 MONTHS; FOR ICEGOING VESSELS, 12 MONTHS.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	9,832,493	144	1983-----	5,265,198	-----
1979-----	9,658,112	-----	1984-----	5,820,147	119
1980-----	9,711,672	302	1985-----	5,728,591	-----
1981-----	5,473,241	142	1986-----	6,870,639	-----
1982-----	5,154,408	116	1987-----	7,375,043	-----

## FREIGHT TRAFFIC, 1987

## (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	7,375,043	2,038,316	148,189	530,596	48,659	4,259,246	261,601	88,436
0103 CORN-----	92,571	-----	92,571	-----	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	136,222	136,222	-----	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	434,457	375,299	-----	-----	-----	59,208	-----	-----
1401 SALT-----	43,689	43,689	-----	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	414,998	414,998	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	30,986	30,986	-----	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	272	272	-----	-----	-----	-----	-----	-----
2062 MOLASSES-----	80,382	80,382	-----	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	8	-----	8	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	16	16	-----	-----	-----	-----	-----	-----
2611 PULP-----	13,442	13,442	-----	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	4,978	-----	-----	-----	-----	4,978	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	62	19	43	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	37	-----	37	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2	-----	2	-----	-----	-----	-----	-----
2831 DRUGS-----	15	-----	15	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	14,106	14,106	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	1,887	1,887	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	2,432,782	-----	-----	62,572	2,856	2,298,463	88,891	-----
2912 JET FUEL-----	163,159	-----	-----	-----	43,509	88,153	25,540	5,957
2913 KEROSENE-----	140,172	-----	-----	2,979	-----	136,978	215	-----
2914 DISTILLATE FUEL OIL-----	1,236,815	124,995	-----	247,360	2,294	699,828	102,215	60,123
2915 RESIDUAL FUEL OIL-----	1,680,985	507,734	-----	215,643	-----	914,749	20,504	22,356
2916 LUBRICATING OILS AND GREASES-----	71	-----	71	-----	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	43,187	-----	-----	2,042	-----	41,145	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	44,236	-----	-----	-----	-----	-----	44,236	-----
2991 PETROLEUM AND COAL PROD, NEC-----	15,745	-----	-----	-----	-----	15,745	-----	-----
3241 BUILDING CEMENT-----	251,745	251,745	-----	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	20	20	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	229	203	26	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,603	3,592	11	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	38,730	38,687	43	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	1	1	-----	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1	-----	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	55,362	-----	55,362	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	30	30	-----	-----	-----	-----	-----	-----

## FEDERAL LOCK, TROY, N. Y.

NAVIGATION SEASON: 13 APRIL TO 14 DECEMBER 1987

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,490,922	1983-----	495,636
1979-----	1,262,205	1984-----	404,434
1980-----	1,034,103	1985-----	296,996
1981-----	731,570	1986-----	285,707
1982-----	632,633	1987-----	299,840

FEDERAL LOCK, TROY, N. Y.--CONTINUED  
FREIGHT TRAFFIC, 1987

COMMODITY	TONS
2062 MOLASSES-----	8,850
2911 GASOLINE-----	117,214
2912 JET FUEL-----	115,451
2913 KEROSENE-----	212
2914 DISTILLATE FUEL OIL-----	20,330
2915 RESIDUAL FUEL OIL-----	10,893
2918 ASPHALT, TAR, AND PITCHES-----	28,310
3511 MACHINERY, EXCEPT ELECTRICAL-----	800
GRAND TOTAL-----	299,840
TRAFFIC (TONS) NORTH-----	299,840
TRAFFIC (TONS) SOUTH-----	-----
TOTAL-----	299,840

## NEW YORK STATE BARGE CANAL SYSTEM, N. Y.

SECTION INCLUDED: FEDERAL PROJECT-ERIE SECTION: FROM WATERFORD TO THREE RIVERS; OSWEGO SECTION: THREE RIVERS TO OSWEGO, N. Y., NON PROJECT-ERIE SECTION: THREE RIVERS TO TONAWANDA, N. Y.; CHAMPLAIN SECTION: WATERFORD TO WHITEHALL, N. Y. CONTROLLING DEPTHS: 14 FEET IN EARTH CUTS, ROCK CUTS, CANALIZED RIVERS AND LAKES AND 14 OPEN RIVERS; 12 FEET IN LOCKS. PROJECT DEPTH: 14 FEET, 13 FEET IN LOCKS. PROJECT LENGTH: APPROXIMATELY 184 MILES. ALL BELOW NORMAL POOL LEVEL. NAVIGATION SEASON: 22 APRIL TO 6 DECEMBER 1987.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,553,310	1983-----	579,777
1979-----	1,303,337	1984-----	457,134
1980-----	1,148,382	1985-----	260,504
1981-----	807,925	1986-----	257,142
1982-----	777,292	1987-----	340,869
* PASSENGERS--42,127			

## SUMMARY FREIGHT TRAFFIC, 1987

DIVISIONS	TONS
CAYUGA-SENECA-----	-----
CHAMPLAIN-----	215,842
ERIE-----	124,227
OSWEGO-----	800
TOTAL-----	340,869

## DISTRIBUTION AND FLOW OF TRAFFIC

TRAFFIC	CAYUGA-SENECA (TONS)	CHAMPLAIN (TONS)	ERIE (TONS)	OSWEGO (TONS)	TOTAL ALL CANALS (TONS)
EAST-----	-----	215,842	85,908	-----	301,750
WEST-----	-----	-----	38,319	800	39,119
THROUGH-----	-----	215,013	531	800	215,344
LOCAL-----	-----	1,829	123,696	-----	125,525
THROUGH, EAST-----	-----	214,013	-----	-----	214,013
THROUGH, WEST-----	-----	-----	531	800	1,331
LOCAL, EAST-----	-----	87,737	-----	-----	87,737
LOCAL, WEST-----	-----	-----	37,788	-----	37,788

THE TOTAL TONNAGE OF THE COMMODITIES TRANSPORTED AND THE AMOUNTS (IN NET TONS) MOVED EASTWARD AND WESTWARD ARE SHOWN IN THE FOLLOWING STATEMENTS:

COMMODITY	TOTAL	EAST	WEST
TOTAL-----	340,869	301,750	39,119
2911 GASOLINE-----	107,633	107,633	-----
2912 JET FUEL-----	88,902	88,902	-----
2913 KEROSENE-----	215	215	-----
2914 DISTILLATE FUEL OIL-----	26,666	19,892	7,574
2915 RESIDUAL FUEL OIL-----	2,145	-----	2,145
2918 ASPHALT, TAR, AND PITCHES-----	28,069	-----	28,069
3241 BUILDING CEMENT-----	85,908	85,908	-----
3511 MACHINERY EXCEPT ELECTRICAL-----	531	-----	531
3731 SHIPS AND BOATS-----	800	-----	800
TOTAL TON-MILES, 26,602,236			

## Waterborne Commerce of the United States, 1987

## HEMPSTEAD HARBOR, N. Y.

SECTION INCLUDED: FROM LONG ISLAND SOUND TO ROSLYN TOWN WHARF, CONTROLLING DEPTH: 6 FEET FROM ENTRANCE OF BAR BEACH TO 2750 FEET ABOVE ENTRANCE, THENCE 6 FEET TO 0.0 FEET TO HEAD OF PROJECT, PROJECT DEPTH: 13 FEET AND 6.0 FEET, ALL AT MEAN LOW WATER, PROJECT LENGTH: 2.3 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	3,735,575	235,077	1983-----	1,956,824	210,844
1979-----	2,621,631	215,231	1984-----	2,966,513	214,686
1980-----	2,769,267	276,861	1985-----	2,623,850	83,532
1981-----	2,594,357	184,185	1986-----	1,147,607	18,348
1982-----	2,698,242	215,562	1987-----	1,168,534	39,582

## FREIGHT TRAFFIC, 1987

## DOMESTIC

## (SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	1,168,534	1,168,261	273
1442 SAND, GRAVEL, CRUSHED ROCK-----	527,402	527,402	-----
2911 GASOLINE-----	306,120	306,120	-----
2912 JET FUEL-----	2,019	2,019	-----
2913 KEROSENE-----	1,706	1,706	-----
2914 DISTILLATE FUEL OIL-----	277,205	276,932	273
2915 RESIDUAL FUEL OIL-----	54,082	54,082	-----
TOTAL TON-MILES, 1,849,248.			

## PORT JEFFERSON HARBOR, N. Y.

SECTION INCLUDED: FROM DEEP WATER IN LONG ISLAND SOUND TO PORT JEFFERSON HARBOR, THENCE TO VILLAGE OF PORT JEFFERSON, CONTROLLING DEPTH: 27 FEET, TURNING BASIN 11 FEET, PROJECT DEPTH: 40 FEET IN ENTRANCE CHANNEL, 30 FEET IN TURNING BASIN, ALL AT MEAN LOW WATER, PROJECT LENGTH: 2.3 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS	YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS
1978-----	4,407,276	106,330	25,055	1983-----	3,142,894	189,817	65,966
1979-----	4,231,607	203,084	50,786	1984-----	3,523,007	76,076	10,148
1980-----	3,301,718	31,320	-----	1985-----	2,955,137	473,144	238,330
1981-----	3,494,265	229,757	60,260	1986-----	3,597,863	558,982	346,586
1982-----	3,428,511	141,202	30,190	1987-----	3,664,501	609,664	433,198

## FREIGHT TRAFFIC, 1987

## (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	3,664,501	340,062	2,643	3,199,415	122,381
0191 MISCELLANEOUS FARM PRODUCTS-----	10	-----	10	-----	-----
0861 FOREST PRODUCTS, NEC-----	4	-----	4	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	26	-----	26	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	22	-----	22	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	374,524	-----	-----	374,524	-----
1471 PHOSPHATE ROCK-----	60	-----	60	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1	-----	1	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	70	-----	70	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	65	-----	65	-----	-----
2022 DRIED MILK AND CREAM-----	2	-----	2	-----	-----
2034 VEGETABLES AND PREP, NEC-----	20	-----	20	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	22	-----	22	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	4	-----	4	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	336	-----	336	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	93	-----	93	-----	-----
2311 APPAREL-----	7	-----	7	-----	-----
2421 LUMBER-----	36	-----	36	-----	-----
2511 FURNITURE AND FIXTURES-----	8	-----	8	-----	-----
2631 PAPER AND PAPERBOARD-----	19	-----	19	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	15	-----	15	-----	-----
2711 PRINTED MATTER-----	29	-----	29	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	22	-----	22	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	84	-----	84	-----	-----
2821 PLASTIC MATERIALS-----	22	-----	22	-----	-----
2822 SYNTHETIC RUBBER-----	6	-----	6	-----	-----
2831 DRUGS-----	29	-----	29	-----	-----

NEW YORK, NY, DISTRICT

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PORT JEFFERSON HARBOR, N. Y.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
2841 SOAP-----	94	-----	94	-----	-----
2851 PAINTS-----	2	-----	2	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	133	-----	133	-----	-----
2911 GASOLINE-----	1,621,050	20,674	-----	1,501,298	99,078
2912 JET FUEL-----	43,793	-----	-----	43,793	-----
2913 KEROSENE-----	9,995	-----	-----	9,995	-----
2914 DISTILLATE FUEL OIL-----	1,107,045	319,388	-----	764,354	23,303
2915 RESIDUAL FUEL OIL-----	493,870	-----	-----	493,870	-----
2916 LUBRICATING OILS AND GREASES-----	35	-----	35	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,966	-----	-----	4,966	-----
2991 PETROLEUM AND COAL PROD, NEC-----	6,615	-----	-----	6,615	-----
3011 RUBBER AND MISC PLASTIC PROD-----	75	-----	75	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	6	-----	6	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	42	-----	42	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	3	-----	3	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	9	-----	9	-----	-----
3322 COPPER ALLIYS, UNWORKED-----	1	-----	1	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	22	-----	22	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	20	-----	20	-----	-----
3411 FABRICATED METAL PRODUCTS-----	53	-----	53	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	139	-----	139	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	133	-----	133	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	106	-----	106	-----	-----
3731 SHIPS AND BOATS-----	5	-----	5	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	5	-----	5	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	21	-----	21	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	10	-----	10	-----	-----
4012 NONFERROUS METAL SCRAP-----	23	-----	23	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	182	-----	182	-----	-----
4024 PAPER WASTE AND SCRAP-----	456	-----	456	-----	-----
4112 COMMODITIES, NEC-----	56	-----	56	-----	-----
TOTAL TON-MILES, 7,329,002.					

NORTHPURT HARBOR, N. Y.

SECTION INCLUDED: FROM BLUFF POINT TO HEAD OF NAVIGATION. CONTROLLING DEPTH: (1956) 8 FEET, 6 FEET IN ANCHORAGE. PROJECT DEPTHS 8 AND 6 FEET. ALL AT MEAN LOW WATER. PROJECT LENGTH: 0.4 MILE.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	25,347	46	1983-----	124,718	8
1979-----	-----	94	1984-----	134,192	48
1980-----	-----	20	1985-----	68,501	36
1981-----	-----	2	1986-----	260,097	22
1982-----	90,216	32	1987-----	334,535	-----

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	334,535	9,376	325,159
2914 DISTILLATE FUEL OIL-----	386	386	-----
2915 RESIDUAL FUEL OIL-----	334,149	8,990	325,159
TOTAL TON-MILES, 334,535.			

## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
BROWNS CREEK, N. Y.-----	4112 COMMODITIES, NEC-----	1,604	1,604	690,524
BURLINGTON HARBOR, VT.-----	2911 GASOLINE-----	36,531	-----	-----
	2912 JET FUEL-----	6,288	-----	-----
	2914 DISTILLATE FUEL OIL-----	13,141	-----	-----
	TOTAL-----	55,960	-----	217,487
CHEESEQUAKE CREEK, N. J. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
CONEY ISLAND CREEK, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	41,097	41,097	-----
ECHO BAY HARBOR, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	4029 WASTE AND SCRAP, NEC-----	420	420	-----
ELIZABETH RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
FIRE ISLAND INLET, N. Y.-----	-----	-----	-----	327,506
GLEN COVE CREEK, N. Y.-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	38,665	-----	-----
	2914 DISTILLATE FUEL OIL-----	917	-----	-----
	TOTAL-----	39,582	39,582	-----
GLEN COVE HARBOR, N. Y.-----	NO COMMERCE REPORTED			
GREAT KILLS HARBOR, STATEN ISLAND, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
GREAT SOUTH BAY, N. Y. (INCLUDING STATISTICS FOR PATCHOGUE RIVER, N. Y.)-----	4112 COMMODITIES, NEC-----	9,468	10,988	1,569,630
GREENPORT HARBOR, N. Y.-----	-----	-----	-----	338,233
HUNTINGTON HARBOR, N. Y.-----	NO COMMERCE REPORTED			
JONES INLET, N. Y.-----	-----	-----	-----	164,188
KEYPORT HARBOR, N. J. (INCLUDED IN PORT OF NEW YORK)-----	-----	-----	-----	13,428
LAKE MONTAUK HARBOR, N. Y.-----	-----	-----	-----	1,463,166
LARCHMONT HARBOR, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
LEMON CREEK, STATEN ISLAND, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
LONG ISLAND INTRACOSTAL WATERWAY, N. Y.-----	-----	-----	-----	10,814
MARSHNECK HARBOR, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
MANHASSET BAY, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	2914 DISTILLATE FUEL OIL-----	85,064	278,212	-----
MATTITUCK HARBOR, N. Y.-----	-----	-----	-----	16,258
NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT.-----	2911 GASOLINE-----	107,633	-----	-----
	2912 JET FUEL-----	88,902	-----	-----
	2913 KEROSENE-----	215	-----	-----
	2914 DISTILLATE FUEL OIL-----	19,092	-----	-----
	TOTAL-----	215,842	3,885,156	-----
NEW ROCHELLE HARBOR, N. Y. (INCLUDED IN PORT OF NEW YORK)-----	4029 WASTE AND SCRAP, NEC-----	9,376	9,376	38,614
ORANOC CREEK, N. Y.-----	NO COMMERCE REPORTED			
PATCHOGUE RIVER, N. Y. (INCLUDED IN STATISTICS FOR GREAT SOUTH BAY, N. Y.)-----	NO COMMERCE REPORTED			
PECONIC RIVER, N. Y.-----	NO COMMERCE REPORTED			
PEEKSKILL HARBOR, N. Y. (INCLUDED IN STATISTICS FOR HUDSON RIVER)-----	-----	-----	-----	4,480
PORT HENRY HARBOR, N. Y.-----	NO COMMERCE REPORTED			
RAHWAY RIVER, N. J. (INCLUDED IN PORT OF NEW YORK)-----	NO COMMERCE REPORTED			
RODOUT HARBOR, N. Y. (INCLUDED IN STATISTICS FOR HUDSON RIVER)-----	2911 GASOLINE-----	117,559	-----	-----
	2913 KEROSENE-----	5,318	-----	-----
	2914 DISTILLATE FUEL OIL-----	123,107	-----	-----
	TOTAL-----	245,984	-----	10,870
ROUSES POINT, N. Y.-----	NO COMMERCE REPORTED			
SAG HARBOR, N. Y.-----	-----	-----	-----	738,580
SANDY HOOK BAY AT LEONARD, N. J. (INCLUDED IN PORT OF NEW YORK)-----	2914 DISTILLATE FUEL OIL-----	3,598	3,598	-----
SANDY HOOK BAY, N. J.-----	-----	-----	-----	394,706
SANDY HOOK CHANNEL, N. Y.-----	NO COMMERCE REPORTED			
SAUGERTIES HARBOR, N. Y. (INCLUDED IN STATISTICS FOR HUDSON RIVER)-----	NO COMMERCE REPORTED			

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HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
SHARK RIVER, N. J.				1,437,620
SHEEPSHEAD BAY, N. Y.	4029 WASTE AND SCRAP, NEC	119,822	119,822	339,038
SHINNECOCK INLET, N. Y.				10,814
SMOUL HARBOR AND COMPTON CREEK, N. J. (INCLUDED IN PORT OF NEW YORK)	0911 FRESH FISH, EXCEPT SMELLFISH 0912 SMELLFISH, EXCEPT PREPARED TOTAL	400 2 402		
SHREWSBURY RIVER, N. J.			804	167,792
HALLABOJT CHANNEL, N. Y. (INCLUDED IN PORT OF NEW YORK)	NO COMMERCE REPORTED			
HAYCAKE CREEK, N. J. (INCLUDED IN PORT OF NEW YORK)	NO COMMERCE REPORTED			
NONPROJECT				
GOMANUS CANAL, N. Y. (INCLUDED IN PORT OF NEW YORK)	1442 SAND, GRAVEL, CRUSHED ROCK 2913 KEROSENE 2914 DISTILLATE FUEL OIL 2915 RESIDUAL FUEL OIL TOTAL	125,265 1,327 384,062 65,219 575,873		
GRAVESEND BAY, N. Y. (INCLUDED IN PORT OF NEW YORK)	1311 CRUDE PETROLEUM 1442 SAND, GRAVEL, CRUSHED ROCK 2091 VEGETABLE OILS, MARG, SHORT 2911 GASOLINE 2912 JET FUEL 2913 KEROSENE 2914 DISTILLATE FUEL OIL 2915 RESIDUAL FUEL OIL 2916 LUBRICATING OILS AND GREASES 2917 NAPHTHA, PETROLEUM SOLVENTS 4029 WASTE AND SCRAP, NEC 4112 COMMODITIES, NEC TOTAL	330,308 41,097 1,653 513,278 58,929 19,747 291,336 520,928 237 2,312 375,613 1 2,153,441	890,490	
OYSTER BAY, N. Y.	2911 GASOLINE 2914 DISTILLATE FUEL OIL 2915 RESIDUAL FUEL OIL TOTAL	170,944 191,252 1,650 363,846	2,358,926	
SANDY HOOK BAY, N. J. (INCLUDED IN PORT OF NEW YORK)	0129 FIELD CROPS, NEC 0911 FRESH FISH, EXCEPT SMELLFISH 0912 SMELLFISH, EXCEPT PREPARED 1499 NONMETALLIC MINERALS, NEC 1911 DRONAVCE AND ACCESSORIES 2021 DAIRY PRODUCTS, NEC 2034 VEGETABLES AND PREP, NEC 2042 ANIMAL FEEDS 2049 GRAIN MILL PRODUCTS, NEC 2081 ALCOHOLIC BEVERAGES 2211 BASIC TEXTILE PRODUCTS 2311 APPAREL 2511 FURNITURE AND FIXTURES 2711 PRINTED MATTER 2813 ALCOHOLS 2814 BASIC CHEMICALS AND PROD, NEC 2841 SOAP 2851 PAINTS 2891 MISCELLANEOUS CHEMICAL PROD 2914 DISTILLATE FUEL OIL 3011 RUBBER AND MISC PLASTIC PROD 3111 LEATHER AND LEATHER PRODUCTS 3211 GLASS AND GLASS PRODUCTS 3251 STRUCTURAL CLAY PRODUCTS 3281 CUT STONE AND STONE PRODUCTS 3291 MISC NONMETALLIC MINERAL PROD 3321 NONFERROUS METALS, NEC 3411 FABRICATED METAL PRODUCTS 3511 MACHINERY, EXCEPT ELECTRICAL 3611 ELECTRICAL MACH AND EQUIP 3711 MOTOR VEHICLES, PARTS, EQUIP 3731 SHIPS AND BOATS 3791 MISC TRANSPORTATION EQUIPMENT 3811 INSTR, TIME, PHOTO, OPT GROUPS 3911 MISC MANUFACTURED PRODUCTS 4011 IRON AND STEEL SCRAP 4112 COMMODITIES, NEC 9999 DEPARTMENT OF DEFENSE AND SCI	11 22 77 60 124 20 38 3 11 128 1 77 16 5 19 270 14 93 300 25,689 1 10 1 20 70 10 27 47 485 7 1 4 17 7 210 2,413 13 1,551		
TOTAL		31,635	88,119	559,142



# Waterborne Commerce of the United States, 1987

## PHILADELPHIA, PA, DISTRICT

DELAWARE RIVER, TRENTON, N. J. TO THE SEA  
(CONSOLIDATED REPORT)

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC			YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		
			RAILROAD FREIGHT		AUTOMOBILES ACCOMPANYING PASSENGERS				RAILROAD FREIGHT		AUTOMOBILES ACCOMPANYING PASSENGERS
			EMPTY	LOADED					EMPTY	LOADED	
1978--	132,438,907	1,262,049	1,616	1,693	214,998	1983--	90,952,672	1,623,464	-----	-----	301,192
1979--	140,463,486	1,443,570	783	938	203,936	1984--	98,183,840	1,506,490	-----	-----	283,830
1980--	119,309,114	1,426,211	393	418	236,261	1985--	100,507,913	1,554,470	-----	-----	308,617
1981--	111,876,194	1,458,789	394	625	254,142	1986--	108,714,523	1,682,260	-----	-----	314,044
1982--	94,283,826	1,425,185	40	118	411,158	1987--	110,278,964	1,573,829	-----	-----	347,155

### FREIGHT TRAFFIC, 1987

#### OCEANGOING

#### (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	UPBOUND	DOWNBOUND	RECEIPTS	SHIPMENTS	THROUGH	
								UPBOUND	DOWNBOUND
TOTAL-----	86,365,491	61,727,901	3,766,439	2,732,277	238,258	4,719,949	6,819,765	1,678,484	4,682,416
0103 CORN-----	2	-----	2	-----	-----	-----	-----	-----	-----
0104 OATS-----	168	-----	168	-----	-----	-----	-----	-----	-----
0105 RICE-----	859	813	5	-----	-----	-----	-----	23	-----
0111 SOYBEANS-----	20	-----	20	-----	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	648	630	18	-----	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	1,911	1,793	86	42	-----	-----	-----	-----	-----
0122 HAY AND FODDER-----	11	-----	-----	-----	-----	-----	-----	11	-----
0129 FIELD CROPS, NEC-----	7,743	7,494	12	204	-----	15	-----	58	-----
0131 FRESH FRUITS-----	73,420	49,151	1,053	22,263	779	-----	-----	174	-----
0132 BANANAS AND PLANTAINS-----	388,335	75	-----	388,260	-----	-----	-----	-----	-----
0133 COFFEE-----	29,568	28,069	702	345	77	-----	-----	375	-----
0134 COCOA BEANS-----	102,765	102,302	243	200	-----	20	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	9,904	8,338	445	-----	6	1,014	-----	101	-----
0151 LIVE ANIMALS-----	1,095	18	-----	-----	1,053	24	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	21,606	18,592	2,475	-----	21	-----	-----	118	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	514	292	30	23	-----	140	-----	29	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	6,034	5,213	821	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	12,371	9,191	1,676	-----	30	-----	-----	1,432	42
0911 FRESH FISH, EXCEPT SHELLFISH-----	14,938	12,452	1,442	318	-----	21	-----	705	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,097	2,517	207	151	-----	-----	-----	222	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	33	33	-----	-----	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	3,824,278	3,824,278	-----	-----	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	13,387	706	12	12,600	69	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	12,541	5,791	66	6,724	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	26,836	22,501	4,374	-----	15	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	3,158,835	34,857	1,938,734	33,543	37,506	-----	17,731	-----	1,092,464
1311 CRUDE PETROLEUM-----	49,414,632	47,696,212	-----	401,615	-----	993,704	327,101	-----	-----
1411 LIMESTONE-----	72,810	6	72,804	-----	-----	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	565	-----	453	-----	112	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	38,221	40,227	988	7,006	-----	-----	-----	-----	-----
1451 CLAY-----	56,537	31,600	5,965	19,478	554	-----	-----	-----	-----
1491 GALT-----	256,234	112,595	-----	153,699	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	1,816	-----	1,816	-----	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	884,983	472,559	28	412,396	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	31,446	1,347	2,312	26,975	85	767	-----	-----	-----
1911 PROVINCE AND ACCESSORIES-----	1,254	1,192	22	-----	40	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	246,968	243,891	4,539	46,635	811	595	-----	497	-----
2012 MEAT AND PRODUCTS, NEC-----	25,738	21,740	395	1,538	113	1,300	-----	652	-----
2019 TALLOW, ANIMAL FATS AND OILS-----	224	-----	295	-----	19	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	1,812	1,429	325	-----	56	-----	-----	2	-----
2021 DAIRY PRODUCTS, NEC-----	33,164	29,580	182	-----	-----	3,315	-----	87	-----
2022 DRIED MILK AND CREAM-----	1,816	772	756	-----	20	250	-----	68	-----
2031 FISH AND SHELLFISH, PREPARED-----	14,842	5,044	40	21	1	383	-----	13,313	-----
2034 VEGETABLES AND PREP, NEC-----	23,920	12,573	203	-----	197	23	-----	10,280	644
2039 PREP FRUIT AND VEG JUICE, NEC-----	535,331	407,615	1,138	122,943	127	608	-----	2,900	-----
2041 WHEAT FLOUR AND SEMOLINA-----	56	-----	-----	-----	58	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	14,435	2,849	1,009	-----	504	10,629	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	3,526	2,350	640	-----	213	-----	-----	323	-----
2061 SUGAR-----	3	3	-----	-----	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	128,250	123,253	297	370	35	-----	-----	4,295	-----
2091 VEGETABLE OILS, FATS, SHORT-----	7,586	5,300	591	-----	69	1,148	-----	118	-----
2092 ANIMAL OILS AND FATS, NEC-----	4,030	4,030	-----	-----	-----	-----	-----	-----	-----
2095 ICE-----	5,295	5,295	-----	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FARM PRODUCTS-----	403,949	144,502	16,402	5,230	224	47,944	121,793	7,240	163
2111 TOBACCO MANUFACTURES-----	4,161	13	347	-----	-----	434	7,171	96	-----
2211 BASIC TEXTILE PRODUCTS-----	17,754	12,341	2,743	2,146	322	96	-----	52	20
2212 TEXTILE FIBERS, NEC-----	1,271	1,267	-----	-----	4	-----	-----	-----	-----
2311 APPAREL-----	5,172	1,936	143	15	4	1,913	923	83	85
2411 LUMBER-----	7,747	729	6,457	115	348	-----	-----	-----	98
2413 FUEL WOOD, CHARCOAL, WASTES-----	70	-----	70	-----	-----	-----	-----	-----	-----
2414 TIMBER, PULPS, POLES, PILING-----	222	222	-----	-----	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, FUELINGS-----	19	19	-----	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	424,256	244,397	3,246	174,591	2	-----	-----	2	68
2431 VENEER, PLYWOOD, WORKED WOOD-----	274,244	272,633	159	240	-----	-----	-----	7	-----
2491 WOOD MANUFACTURES, NEC-----	12,241	7,444	1,721	2	2,604	59	-----	65	252
2511 FURNITURE AND FIXTURES-----	21,247	18,474	300	57	7	303	437	1,205	44
2611 PULP-----	16,023	15,249	774	-----	-----	-----	-----	-----	-----
2621 STANDARD HANDMADE PAPER-----	79,405	67,378	441	11,678	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	416,210	623,109	12,428	-----	428	-----	-----	39	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	27,720	7,792	5,130	15	471	772	12,812	728	-----
2711 WHITE PAPER-----	2,547	3,211	1,594	1	42	45	4,444	60	-----

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2810 SODIUM HYDROXIDE-----	154,035	-----	-----	-----	-----	145,865	-----	8,170	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	58,966	16,234	13,598	-----	21,755	-----	7,379	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	305	-----	298	-----	7	-----	-----	-----	-----
2813 ALCOHOLS-----	52,069	31,683	643	-----	37	14,109	1,065	2	4,530
2816 RADIOACTIVE MATERIALS, WASTES-----	1	1	-----	-----	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	200,528	85,646	16,869	-----	2,287	71,180	3,145	-----	21,401
2818 SULPHURIC ACID-----	57,102	-----	-----	-----	-----	29,975	11,580	15,547	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,037,374	616,097	92,865	5,416	5,383	174,873	98,966	26,495	17,281
2821 PLASTIC MATERIALS-----	59,286	30,780	23,135	43	3,709	-----	-----	1,610	9
2822 SYNTHETIC RUBBER-----	2,204	101	1,993	-----	-----	-----	-----	64	46
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2,532	1,196	1,336	-----	-----	-----	-----	-----	-----
2831 DRUGS-----	5,044	2,702	1,081	-----	15	1,205	-----	41	-----
2841 SOAP-----	8,576	3,386	4,177	175	225	-----	-----	248	365
2851 PAINTS-----	28,932	10,503	1,239	16,972	191	-----	-----	27	-----
2861 GUM AND WOOD CHEMICALS-----	13,976	383	157	-----	-----	11,897	1,539	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	79,103	17,128	62	56,364	1,651	3,898	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	1	1	-----	-----	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	2,353	353	-----	-----	-----	2,000	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	4,167	306	3,244	-----	617	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	561	485	76	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	210,850	58,255	90,837	15	2,306	54,363	4,484	504	116
2911 GASOLINE-----	5,190,703	917,949	131	-----	2	730,286	1,882,033	470,580	1,189,722
2912 JET FUEL-----	527,274	-----	22,156	-----	-----	4,208	411,861	-----	89,049
2913 KEROSENE-----	161,965	-----	-----	-----	-----	75,210	48,665	5,877	32,213
2914 DISTILLATE FUEL OIL-----	3,078,187	42,475	93	37,426	-----	634,739	1,768,195	17,223	578,036
2915 RESIDUAL FUEL OIL-----	6,133,746	2,776,649	22,498	275,636	-----	937,461	1,237,851	100,255	783,396
2916 LUBRICATING OILS AND GREASES-----	1,053,022	71,781	148,092	-----	13,134	545,251	226,576	41,090	7,108
2917 NAPHTHA, PETROLEUM SOLVENTS-----	592,028	198,816	123	-----	20,814	126,436	3,245	54,352	188,242
2919 ASPHALT, TAR, AND BITUMENS-----	1,451,089	75,310	16,400	-----	-----	-----	303,390	512,424	543,565
2920 COKE, PETROLEUM COKE-----	432,979	242,703	149,140	-----	41,136	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	234,352	150,560	97	82,075	1,620	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	73	-----	73	-----	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	91,629	11,609	1,702	-----	26	30,494	35,408	285	2,105
3011 RUBBER AND MISC PLASTIC PROD-----	40,005	19,233	4,558	176	325	2,160	7,158	6,245	150
3111 LEATHER AND LEATHER PRODUCTS-----	25,574	13,643	537	-----	14	6,403	4,481	496	-----
3211 GLASS AND GLASS PRODUCTS-----	49,231	21,956	13,826	5,828	41	27	7,263	290	-----
3241 BUILDING CEMENT-----	559,532	173,840	12	-----	19	-----	-----	258,629	127,032
3251 STRUCTURAL CLAY PRODUCTS-----	19,077	14,738	1,522	564	4	-----	-----	2,249	-----
3271 LIME-----	35	-----	35	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	5,062	3,283	46	-----	-----	50	-----	1,683	-----
3291 MISC NONMETALLIC MINERAL PROD-----	24,846	19,727	4,569	11	47	131	-----	342	19
3311 PIG IRON-----	14,825	14,825	-----	-----	-----	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	24,966	10,179	12,378	2,285	-----	-----	-----	124	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	863,638	650,768	653	210,789	6	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	34,149	2,137	30,047	1,876	89	-----	-----	1,472	-----
3317 IRON AND STEEL PIPE AND TUBE-----	139,273	120,165	3,621	14,268	17	-----	-----	-----	-----
3318 FERROALLOYS-----	6,455	6,074	316	-----	45	-----	-----	1,118	89
3319 IRON AND STEEL PRODUCTS, NEC-----	27,110	13,872	2,951	-----	22	271	9,972	15	7
3321 NONFERROUS METALS, NEC-----	38,312	37,180	398	660	90	-----	-----	28	-----
3322 COPPER ALLOYS, UNWORKED-----	7,048	4,189	534	702	103	-----	-----	1,520	-----
3323 LEAD AND ZINC, UNWORKED-----	47,460	42,820	481	4,159	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	51,052	29,510	375	28,339	1,108	12	-----	1,708	-----
3411 FABRICATED METAL PRODUCTS-----	146,569	107,223	5,090	2,818	175	710	5,987	24,044	562
3511 MACHINERY, EXCEPT ELECTRICAL-----	197,507	113,850	12,546	23,435	3,291	945	35,527	6,189	1,724
3611 ELECTRICAL MACH AND EQUIP-----	44,485	22,014	8,332	26	363	3,159	8,978	1,342	721
3711 MOTOR VEHICLES, PARTS, EQUIP-----	223,926	34,917	19,028	107,448	61,301	9	-----	1,173	50
3721 AIRCRAFT AND PARTS-----	251	199	43	-----	-----	-----	-----	9	-----
3731 SHIPS AND BOATS-----	2,475	2,205	48	14	24	-----	-----	18	166
3791 MISC TRANSPORTATION EQUIPMENT-----	5,380	4,202	898	-----	266	-----	-----	-----	14
3811 INSTR, TIME, PHOTO, OPT GOODS-----	9,177	5,435	2,823	74	62	375	-----	361	87
3911 MISC MANUFACTURED PRODUCTS-----	25,777	8,263	734	-----	99	1,712	-----	14,949	20
4011 IRON AND STEEL SCRAP-----	836,592	22	836,379	-----	191	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	54,557	36,311	16,969	-----	878	10	-----	-----	389
4022 TEXTILE WASTE, SCRAP, SHEEP-----	3,097	155	2,769	-----	37	50	-----	-----	86
4024 PAPER WASTE AND SCRAP-----	69,161	-----	63,160	-----	6,001	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	3,731	-----	-----	-----	-----	2,200	1,531	-----	-----
4112 COMMODITIES, NEC-----	297,299	8,229	8,422	160	1,692	22,661	201,117	54,290	720
9999 DEPARTMENT OF DEFENSE AND SCI-----	190	-----	184	-----	6	-----	-----	-----	-----
TOTAL-----		7,516,636,946	-----	-----	-----	-----	-----	-----	-----
TODAY'S MILES, OCEANGOING,-----		7,516,636,946	-----	-----	-----	-----	-----	-----	-----

TON-MILES, OCEANGOING, 7,516,636,948.

(SHORT TONS)

[illegible]

## Waterborne Commerce of the United States, 1987

DELAWARE RIVER, TRENTON, N. J., TO THE SEA  
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH	
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2810 SODIUM HYDROXIDE-----	33,622	-----	-----	-----	29,535	4,087	-----	-----	-----
2813 ALCOHOLS-----	3,467	-----	-----	3,467	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	90,601	31,114	9,444	7,360	3,600	25,022	12,257	-----	1,724
2818 SULPHURIC ACID-----	206,925	-----	-----	-----	125,680	66,155	15,090	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC--	718,115	252,097	-----	-----	238,918	225,784	1,316	-----	-----
2822 SYNTHETIC RUBBER-----	400	400	-----	-----	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS--	13,015	6,762	-----	-----	-----	-----	6,253	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS--	7,381	7,381	-----	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD--	10,569	10,569	-----	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	1,801,600	23,230	30,117	70,791	959,727	455,614	215,660	30,016	16,445
2912 JET FUEL-----	687,911	29,692	1,314	17,925	378,725	245,758	10,335	-----	4,162
2913 KEROSENE-----	101,533	1,480	-----	10,984	52,242	16,014	11,959	4,157	4,697
2914 DISTILLATE FUEL OIL-----	2,007,567	111,666	54,686	431,077	360,528	761,502	133,666	80,575	73,867
2915 RESIDUAL FUEL OIL-----	5,302,417	584,516	657,167	839,586	912,431	985,228	1,067,952	43,766	211,771
2916 LUBRICATING OILS AND GREASES--	57,244	-----	-----	22,106	7,118	24,731	3,289	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS--	57,965	20,078	13,625	-----	-----	18,815	1,249	-----	4,198
2918 ASPHALT, TAR, AND PITCHES--	659,408	136,337	-----	-----	166,776	8,816	-----	-----	347,479
2920 COKE, PETROLEUM COKE-----	5,405	-----	-----	-----	3,235	-----	-----	-----	2,170
2991 PETROLEUM AND COAL PROD, NEC--	88,847	48,897	-----	-----	14,607	-----	17,018	8,325	-----
3291 MISC NONMETALLIC MINERAL PROD--	1,090	1,090	-----	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET--	37,450	-----	-----	-----	-----	-----	-----	16,325	21,125
3317 IRON AND STEEL PIPE AND TUBE--	225	225	-----	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	575	500	-----	-----	-----	75	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL--	645	269	3	-----	228	5	40	100	-----
3611 ELECTRICAL MACH AND EQUIP-----	109	3	-----	-----	106	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	10	-----	-----	-----	-----	-----	10	-----	-----
4011 IRON AND STEEL SCRAP-----	8,450	1,067	-----	-----	7,383	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	28,197	-----	-----	-----	28,197	-----	-----	-----	-----
4111 WATER-----	4,872	-----	-----	-----	-----	1,430	3,442	-----	-----
4112 COMMODITIES, NEC-----	5,775	1,866	-----	-----	1,616	1,476	817	-----	-----
TON-MILES, INTERNAL,-----	982,611,613.	-----	-----	-----	-----	-----	-----	-----	-----
TONS, ALL TRAFFIC,-----	110,278,964.	-----	-----	-----	-----	-----	-----	-----	-----
TON-MILES, ALL TRAFFIC,-----	8,499,248,561.	-----	-----	-----	-----	-----	-----	-----	-----

DELAWARE RIVER BETWEEN PHILADELPHIA, PA., AND TRENTON, N. J.

SECTION INCLUDED: ALLEGHENY AVE., PHILADELPHIA, PA., TO TRENTON, N. J. 30.5 MILES AND AN AUXILIARY CHANNEL EAST OF BURLINGTON ISLAND EXTENDING FROM THE MAIN CHANNEL TO THE UPPER END OF UNITED STATES PIPE & FOUNDRY CO. AT EAST BURLINGTON, 1.4 MILES, CONTROLLING DEPTH IN MIDDLE HALF OF CHANNEL TO U. S. STEEL CO. MAY 1987, 38.9 FEET, 23.5 MILES TO THE UPPER END OF NEWBOLD ISLAND IN APRIL 1987, 14.4 FEET, 0.5 MILES; IN JANUARY 1987, 11.7 FEET TO TRENTON MARINE TERMINAL, 5.2 MILES; AND IN JANUARY 1987, 10.7 FEET TO THE PENNSYLVANIA RAILROAD BRIDGE AT TRENTON 1.3 MILES. AUXILIARY CHANNEL BURLINGTON ISLAND IN JANUARY 1985, 8.2 FEET. PROJECT DEPTH: 40 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	12,158,803	4	1983-----	9,001,637	-----
1979-----	12,388,191	-----	1984-----	10,106,738	-----
1980-----	10,364,210	-----	1985-----	8,615,575	-----
1981-----	11,438,016	16	1986-----	8,209,711	-----
1982-----	7,911,578	-----	1987-----	8,938,526	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	8,938,526	3,755,256	167,513	980,010	527,774	2,037,905	1,219,955	248,797	1,316
0105 RICE-----	420	420	-----	-----	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	40	33	7	-----	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	47	31	1	15	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	27,218	27,102	116	-----	-----	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	48	48	-----	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	1,060	1,060	-----	-----	-----	-----	-----	-----	-----
0134 COCOA BEANS-----	54,368	54,368	-----	20	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES--	6,079	5,045	20	1,014	-----	-----	-----	-----	-----
0151 LIVE ANIMALS-----	24	-----	-----	24	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	661	199	462	-----	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS--	160	20	-----	140	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS--	153	153	-----	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	1,036	1,014	22	-----	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH--	3,425	3,304	100	21	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED--	360	360	-----	-----	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	1,892,767	1,867,744	-----	-----	-----	25,023	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC--	226	75	151	-----	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	772,310	-----	102	-----	-----	772,208	-----	-----	-----
1311 CRUDE PETROLEUM-----	120,172	117,563	-----	-----	-----	-----	-----	2,609	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	35	-----	35	-----	-----	-----	-----	-----	-----
1451 CLAY-----	1,157	1,107	50	-----	-----	-----	-----	-----	-----
1491 SALT-----	65,102	65,102	-----	-----	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	37	-----	37	-----	-----	-----	-----	-----	-----

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
1498 GYPSUM, CRUDE AND PLASTERS-----	393,631	393,611	20	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1,031	264	-----	767	-----	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	121	81	-----	40	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	879	222	62	595	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	10,531	9,231	-----	1,300	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	123	123	-----	-----	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	3,369	43	11	3,315	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	276	-----	26	250	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	2,669	2,282	4	383	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	1,948	1,913	12	23	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	168,394	167,726	60	608	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	97	62	35	-----	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	138	107	31	-----	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	3,443	3,411	32	-----	-----	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	1,533	323	22	1,188	-----	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	118	118	-----	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	291,964	102,169	61	67,944	121,790	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	7,624	4	15	434	7,171	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	5,103	4,900	107	96	-----	-----	-----	-----	-----
2311 APPAREL-----	2,903	51	16	1,913	923	-----	-----	-----	-----
2411 LOGS-----	5,859	105	5,754	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	20,677	20,665	12	-----	-----	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,275	5,253	22	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	310	251	-----	59	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	1,808	1,050	18	303	437	-----	-----	-----	-----
2611 PULP-----	220	220	-----	-----	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	147	147	-----	-----	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	13,768	13,113	655	-----	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	15,850	109	2,157	772	12,812	-----	-----	-----	-----
2711 PRINTED MATTER-----	4,594	75	30	45	4,444	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	16,562	9,966	6,596	-----	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	52	-----	52	-----	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	12	10	2	-----	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	87,689	49,006	16,869	-----	-----	13,237	8,577	-----	-----
2818 SULPHURIC ACID-----	1,300	-----	-----	-----	-----	-----	1,300	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	967,896	87,574	33,801	40,055	95,802	319,821	238,918	150,609	1,316
2821 PLASTIC MATERIALS-----	3,116	1,408	1,708	-----	-----	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	165	1	164	-----	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	90	50	40	-----	-----	-----	-----	-----	-----
2831 DRUGS-----	1,279	50	24	1,205	-----	-----	-----	-----	-----
2841 SOAP-----	398	92	306	-----	-----	-----	-----	-----	-----
2851 PAINTS-----	247	218	29	-----	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	69	63	6	-----	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	11,336	676	-----	3,898	-----	6,762	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	9,381	-----	-----	2,000	-----	7,381	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	29	-----	29	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	8,457	2,681	5,654	122	-----	-----	-----	-----	-----
2911 GASOLINE-----	434,210	-----	-----	225,854	20	21,641	188,695	-----	-----
2912 JET FUEL-----	270,104	-----	-----	4,208	-----	222,456	19,278	24,162	-----
2913 KEROSENE-----	76,888	-----	-----	40,374	-----	9,232	23,594	3,688	-----
2914 DISTILLATE FUEL OIL-----	667,112	6,692	-----	175,924	-----	364,546	107,854	12,096	-----
2915 RESIDUAL FUEL OIL-----	1,593,481	287,212	22,498	314,004	1,075	273,602	629,437	55,633	-----
2916 LUBRICATING OILS AND GREASES-----	12,407	9,896	1,786	248	412	65	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	50,602	-----	-----	50,602	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	4	-----	4	-----	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	242,703	242,703	-----	-----	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	4	-----	4	-----	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	10,361	5,199	1,120	-----	956	-----	3,086	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	10,938	1,462	158	2,160	7,158	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	11,536	649	3	6,403	4,481	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	8,049	112	647	27	7,263	-----	-----	-----	-----
3241 BUILDING CEMENT-----	53,514	53,514	-----	-----	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	1,239	951	288	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	92	42	-----	50	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	4,447	4,054	262	131	-----	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	8,586	8,586	-----	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	41,209	41,160	49	-----	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	2,163	-----	2,163	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	15,021	11,591	3,430	-----	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	329	288	36	-----	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	14,187	2,300	1,644	271	9,972	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	399	392	7	-----	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,166	904	282	-----	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	8,220	8,187	33	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	11,907	11,826	69	12	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	18,629	11,258	714	710	5,947	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	50,787	13,877	1,125	295	35,485	5	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	15,964	1,756	2,071	3,159	8,978	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	5,236	4,254	973	9	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	1	-----	1	-----	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	78	77	1	-----	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	399	79	320	-----	-----	-----	-----	-----	-----
3811 INSTA, TIME, PHOTO, OPT GOODS-----	653	207	71	375	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	2,157	420	25	1,712	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	50,037	-----	50,037	-----	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	571	167	394	10	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	274	127	97	50	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	1,454	-----	1,454	-----	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	3,731	-----	-----	2,200	1,531	-----	-----	-----	-----
4111 WATER-----	560	-----	-----	-----	-----	560	-----	-----	-----
4112 COMMODITIES, NEC-----	227,732	1,162	210	22,661	201,117	1,366	1,216	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	4	-----	4	-----	-----	-----	-----	-----	-----
TOTAL, COMMODITIES----- 142,161,536									

## DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA

SECTION INCLUDED: DEEPWATER IN DELAWARE BAY TO ALLEGHENY AVE., PHILADELPHIA, PA., 96.5 MILES. CONTROLLING DEPTH IN MIDDLE HALF OF CHANNEL: IN OCTOBER 1987, 38.2 FEET TO THE PHILADELPHIA NAVAL BASE, 88 MILES; THENCE IN APRIL 1987, 33.6 FEET IN MIDDLE HALF OF THE WEST SIDE OF THE CHANNEL AND IN APRIL 1987, 40.0 FEET IN MIDDLE HALF OF THE EAST SIDE OF THE CHANNEL THROUGH PHILADELPHIA HARBOR, 8.5 MILES. PROJECT DEPTH: 40 FEET FROM THE SEA TO PHILADELPHIA NAVAL BASE, THENCE 40 FEET DEEP ON THE WEST SIDE AND 37 FEET DEEP ON THE EAST SIDE OF THE CHANNEL TO ALLEGHENY AVE. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	THROUGH TRAFFIC (TONS)	ADDITIONAL TRAFFIC		AUTOMOBILES ACCOMPANYING PASSENGERS
				RAILROAD FREIGHT CARS	LOADED	
				EMPTY		
1978	110,768,375	1,282,049	21,118,441	1,616	1,693	214,988
1979	119,035,156	1,443,570	21,069,044	783	938	203,936
1980	98,205,452	1,426,211	20,792,043	393	418	236,261
1981	92,019,548	1,458,789	19,586,983	398	625	254,142
1982	81,618,754	1,425,185	16,561,708	40	118	411,158
1983	74,498,614	1,623,464	16,267,768			301,192
1984	79,819,505	1,506,520	18,221,778			283,830
1985	83,689,445	1,554,470	16,619,439			308,617
1986	91,330,841	1,682,260	17,209,606			314,044
1987	92,349,103	1,573,829	17,679,749			347,155

## FREIGHT TRAFFIC, 1987

## (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	92,349,103	57,972,645	3,598,926	3,739,939	6,291,991	2,302,365	4,840,414	13,602,823
0103 CORN	2		2					
0104 OATS	168		168					
0105 RICE	393		3					
0111 SOYBEANS	20		20					
0119 OILSEEDS, NEC	648	630	18					
0121 TOBACCO, LEAF	1,829	1,750	79					
0129 FIELD CROPS, NEC	7,474	7,463	11					
0131 FRESH FRUITS	22,986	22,049	937					
0132 BANANAS AND PLANTAINS	27	27						
0133 COFFEE	27,711	27,009	702					
0134 COCOA BEANS	46,197	47,954	243					
0141 FRESH AND FROZEN VEGETABLES	3,718	3,293	425					
0151 LIVE ANIMALS	18	18						
0161 ANIMALS AND PRODUCTS, NEC	20,806	18,393	2,413					
0191 MISCELLANEOUS FARM PRODUCTS	302	272	30					
0841 CRUDE RUBBER AND ALLIED GUMS	5,881	5,040	821					
0861 FOREST PRODUCTS, NEC	9,831	8,177	1,654					
0911 FRESH FISH, EXCEPT SHELLFISH	12,049	9,148	1,342				1,559	
0912 SHELLFISH, EXCEPT PREPARED	3,224	2,157	207			162	684	14
0931 MARINE SHELLS, UNMANUFACTURED	33	33						
1011 IRON ORE AND CONCENTRATES	1,956,534	1,956,534						
1051 ALUMINUM ORES, CONCENTRATES	718	706	12					
1061 MANGANESE ORES, CONCENTRATES	5,857	5,791	66					
1091 NONFERROUS ORES, CONCENT, NEC	26,649	22,426	4,223					
1121 COAL AND LIGNITE	1,995,020	38,857	1,936,632		17,731			
1311 CRUDE PETROLEUM	59,773,200	47,578,649	993,704	327,101			12,770	10,860,776
1411 LIMESTONE	72,810	6	72,804					
1412 BUILDING STONE, UNWORKED	453		453					
1442 SAND, GRAVEL, CRUSHED ROCK	197,134	40,227	953			155,954		
1451 CLAY	36,408	30,493	5,915					
1491 SALT	47,493	47,493						
1492 SULPHUR, DRY	1,779		1,779					
1494 GYPSUM, CRUDE AND PLASTERS	78,956	78,946	8					
1499 NONMETALLIC MINERALS, NEC	3,395	1,083	2,312					
1911 ORNANCE AND ACCESSORIES	1,133	1,111	22					
2011 MEAT, FRESH, CHILLED, FROZEN	248,146	243,889	4,477					
2012 MEAT AND PRODUCTS, NEC	12,904	12,509	395					
2014 TALLOW, ANIMAL FATS AND OILS	205		205					
2015 ANIMAL BY-PRODUCTS, NEC	1,631	1,306	325					
2021 DAIRY PRODUCTS, NEC	29,708	29,537	171					
2022 DRIED MILK AND CREAM	1,452	722	730					
2031 FISH AND SHELLFISH, PREPARED	2,798	2,762	36					
2034 VEGETABLES AND PREP, NEC	10,851	10,660	191					
2039 PREP FRUIT AND VEG JUICE, NEC	240,967	239,889	1,078					
2042 ANIMAL FEEDS	14,390	2,787	974	10,629				
2049 GRAIN MILL PRODUCTS, NEC	2,852	2,243	609					
2061 SUGAR	3	3						
2081 ALCOHOLIC BEVERAGES	120,107	119,842	265					
2091 VEGETABLE OILS, MARG, SHORT	5,346	4,977	369					
2092 ANIMAL OILS AND FATS, NEC	3,912	3,912						
2095 ICE	5,295	5,295						
2099 MISCELLANEOUS FOOD PRODUCTS	99,074	82,333	16,741					
2111 TOBACCO MANUFACTURES	381	9	372					
2211 BASIC TEXTILE PRODUCTS	10,117	7,481	2,636					
2212 TEXTILE FIBERS, NEC	1,267	1,267						
2311 APPAREL	2,012	1,885	127					
2411 LOGS	1,327	624	703					
2413 FUEL WOOD, CHARCOAL, WASTES	70		70					
2414 TIMBER, POSTS, POLES, PILING	220	220						
2416 WOOD CHIPS, STAVES, MOLDINGS	19	19						
2421 LUMBER	229,018	225,732	3,286					
2431 VENEER, PLYWOOD, WORKED WOOD	267,532	267,585	147					
2491 WOOD MANUFACTURES, NEC	8,964	7,243	1,721					
2511 FURNITURE AND FIXTURES	18,106	17,824	282					
2611 PULP	15,803	15,029	774					

PHILADELPHIA, PA, DISTRICT

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2621 STANDARD NEWSPRINT PAPER-----	67,670	67,229	441	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	621,969	609,996	11,973	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	10,656	7,683	2,973	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	4,610	3,136	1,474	-----	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	179,487	-----	-----	145,865	-----	-----	29,535	4,087
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	20,649	6,266	7,002	-----	7,379	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	246	-----	246	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	50,955	31,673	641	14,109	1,065	-----	3,467	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	1	1	-----	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	188,445	36,640	-----	71,180	3,145	37,738	12,880	26,862
2818 SULFURIC ACID-----	248,480	-----	-----	29,975	11,580	1,300	125,680	79,945
2819 BASIC CHEMICALS AND PROD, NEC-----	800,742	528,523	59,062	134,818	3,164	-----	67,724	7,451
2821 PLASTIC MATERIALS-----	50,799	29,372	21,427	-----	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	2,329	100	1,829	-----	-----	400	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2,442	1,146	1,296	-----	-----	-----	-----	-----
2831 DRUGS-----	3,709	2,652	1,057	-----	-----	-----	-----	-----
2841 SOAP-----	7,165	3,294	3,871	-----	-----	-----	-----	-----
2851 PAINTS-----	11,495	10,285	1,210	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	13,907	320	151	11,897	1,539	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	22,767	16,452	62	-----	-----	-----	-----	6,253
2872 POTASSIC CHEM FERTILIZERS-----	1	1	-----	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	353	353	-----	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	3,521	306	3,215	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	561	485	76	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	210,021	55,544	85,183	54,241	4,484	10,569	-----	-----
2911 GASOLINE-----	4,959,776	917,949	131	504,432	1,882,013	140,154	952,271	562,826
2912 JET FUEL-----	1,052,548	-----	22,156	-----	411,861	1,228	578,050	31,253
2913 KEROSENE-----	157,375	-----	-----	34,836	48,665	9,957	57,341	6,576
2914 DISTILLATE FUEL OIL-----	3,972,038	35,783	93	458,815	1,768,195	142,329	1,024,274	542,549
2915 RESIDUAL FUEL OIL-----	9,038,691	2,489,437	-----	623,457	1,236,776	1,568,894	1,723,393	1,396,734
2916 LUBRICATING OILS AND GREASES-----	1,036,592	61,885	146,296	545,003	226,164	-----	29,289	27,955
2917 NAPHTHA, PETROLEUM SOLVENTS-----	331,785	198,816	123	75,834	3,245	33,703	-----	20,064
2918 ASPHALT, TAR, AND PITCHES-----	707,025	75,310	16,396	-----	303,390	136,337	166,776	8,816
2920 COKE, PETROLEUM COKE-----	152,375	-----	149,140	-----	-----	-----	3,235	-----
2921 LIQUEFIED GASES-----	150,657	150,560	97	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	69	69	69	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	152,460	6,410	582	30,494	34,452	51,983	14,607	13,932
3011 RUBBER AND MISC PLASTIC PROD-----	22,171	17,771	4,400	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	13,528	12,994	534	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	35,023	21,844	13,179	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	120,338	120,326	12	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	15,021	13,787	1,234	-----	-----	-----	-----	-----
3271 LIME-----	35	-----	35	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	3,287	3,241	46	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	21,070	15,673	4,307	-----	-----	1,090	-----	-----
3311 PIG IRON-----	14,825	14,825	-----	-----	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	13,971	1,593	12,378	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	610,212	609,608	604	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	30,021	2,137	27,884	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	108,990	108,574	191	-----	-----	225	-----	-----
3318 FERROALLOYS-----	6,066	5,786	280	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	12,879	11,572	1,307	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	37,139	36,748	391	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	3,537	3,285	252	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	35,081	34,633	448	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	17,990	17,684	306	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	100,916	95,965	4,376	-----	-----	500	-----	75
3511 MACHINERY, EXCEPT ELECTRICAL-----	112,631	99,973	11,421	650	42	272	233	40
3611 ELECTRICAL MACH AND EQUIP-----	26,628	20,258	6,261	-----	-----	3	106	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	48,718	30,663	18,055	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	251	199	42	-----	-----	-----	-----	10
3731 SHIP AND BOATS-----	2,175	2,128	47	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	4,701	4,123	578	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	7,980	5,228	2,752	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	8,552	7,843	709	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	794,814	22	786,342	-----	-----	1,067	7,383	-----
4012 NONFERROUS METAL SCRAP-----	52,719	36,144	16,575	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	2,700	28	2,672	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	61,706	-----	61,706	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	28,197	-----	-----	-----	-----	-----	28,197	-----
4111 WATER-----	4,872	-----	-----	-----	-----	-----	560	4,312
4112 COMMODITIES, NEC-----	18,472	7,067	8,212	-----	-----	500	400	2,293
9999 DEPARTMENT OF DEFENSE AND SCI-----	180	-----	180	-----	-----	-----	-----	-----
TOTAL TON-MILES, 8,357,087,025.								

DELAWARE RIVER AT CAMDEN, N. J.  
(INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA)

SECTION INCLUDED: NEWTON CREEK, N. J., TO COOPER POINT, N. J., 4 MILES. CONTROLLING DEPTH: FEBRUARY 1987, 29.9 FEET FROM NEWTON CREEK TO SHERKLY ST. AND THENCE IN MAY 1987, 20.0 FEET TO COOPER POINT. PROJECT DEPTH: 18 FEET, 30 FEET AND 37 FEET AT MEAN LOW WATER (37 FEET DEFERRED FOR RESTUDY).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	2,622,375	147	1983-----	2,940,124	-----
1979-----	2,867,060	-----	1984-----	3,395,011	-----
1980-----	3,092,485	-----	1985-----	4,572,983	-----
1981-----	3,392,803	-----	1986-----	3,691,054	-----
1982-----	2,644,650	-----	1987-----	4,308,176	-----

## Waterborne Commerce of the United States, 1987

DELAWARE RIVER AT CAMDEN, N. J.  
(INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA)--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	4,308,176	2,035,207	1,291,793	25,584	25,523	652,339	269,144	8,586
0105 RICE-----	3	-----	3	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	164	164	-----	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	6,398	6,398	-----	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	9,275	8,832	443	-----	-----	-----	-----	-----
0133 COFFEE-----	237	237	-----	-----	-----	-----	-----	-----
0134 COCOA BEANS-----	8,507	8,352	155	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	2,527	2,391	136	-----	-----	-----	-----	-----
0151 LIVE ANIMALS-----	18	18	-----	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	14,629	14,209	420	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	59	59	-----	-----	-----	-----	-----	-----
0641 CRUDE RUBBER AND ALLIED GUMS-----	502	416	86	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	619	572	47	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	6,775	6,309	466	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	623	616	207	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	127,258	127,258	-----	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	214	213	1	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	9,394	5,648	3,746	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	340,704	38,857	292,450	9,397	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	153,359	144,014	-----	-----	-----	-----	9,345	-----
1411 LIMESTONE-----	14,343	-----	14,343	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	149,711	849	457	-----	-----	148,405	-----	-----
1451 CLAY-----	2,025	2,011	14	-----	-----	-----	-----	-----
1491 SALT-----	46,429	46,429	-----	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	96	-----	96	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	78,948	78,948	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	2,388	763	1,625	-----	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	756	756	-----	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	238,916	235,780	3,136	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	4,975	4,975	-----	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	22	-----	22	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	1,229	1,140	89	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	25,244	25,219	25	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	680	633	47	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	266	256	10	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	1,743	1,633	110	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	63,824	63,563	261	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	1,398	1,044	354	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	657	346	511	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	30,384	30,303	81	-----	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	414	341	73	-----	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	3,837	3,837	-----	-----	-----	-----	-----	-----
2095 ICE-----	4,708	4,708	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	12,538	12,232	306	-----	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	227	-----	227	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	1,454	564	690	-----	-----	-----	-----	-----
2311 APPAREL-----	380	300	80	-----	-----	-----	-----	-----
2411 LOGS-----	625	544	81	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	220	220	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	213,580	213,368	212	-----	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	255,243	255,243	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	5,126	5,111	15	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	2,981	2,858	123	-----	-----	-----	-----	-----
2611 PULP-----	1,311	537	774	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	19,125	15,798	3,327	-----	-----	-----	-----	-----
2691 PULF AND PAPER PRODUCTS, NEC-----	1,744	17	1,727	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	1,221	366	855	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	5	-----	5	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	49	22	27	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	7,289	1,607	5,682	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	16,952	11,491	5,461	-----	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	523	-----	523	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	59	-----	59	-----	-----	-----	-----	-----
2831 DRUGS-----	166	25	141	-----	-----	-----	-----	-----
2841 SOAP-----	887	153	734	-----	-----	-----	-----	-----
2851 PAINTS-----	752	307	445	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	181	119	62	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	261	-----	261	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	13	13	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	43,486	40,375	3,111	-----	-----	-----	-----	-----
2911 GASOLINE-----	69	-----	69	-----	-----	-----	-----	-----
2912 JET FUEL-----	13,613	-----	-----	-----	-----	13,613	-----	-----
2913 KEROSENE-----	1,298	-----	-----	-----	-----	-----	1,298	-----
2914 DISTILLATE FUEL OIL-----	139,016	-----	93	16,476	-----	98,814	23,633	-----
2915 RESIDUAL FUEL OIL-----	699,749	49,989	-----	9,108	16,126	389,620	226,320	8,586
2916 LUBRICATING OILS AND GREASES-----	11,890	-----	10,707	-----	-----	113	1,070	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	18	-----	18	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	23	-----	23	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	87,737	-----	87,737	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	39	-----	39	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	219	-----	219	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2,549	843	1,726	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	183	127	56	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	14,565	2,721	11,844	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	4,385	3,977	408	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,500	1,521	19	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	5,160	3,155	2,005	-----	-----	-----	-----	-----
3311 PIG IRON-----	14,825	14,825	-----	-----	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	13,656	1,290	12,366	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	288,924	288,653	271	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	25,132	1,308	23,824	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	75,729	75,717	12	-----	-----	-----	-----	-----

PHILADELPHIA, PA, DISTRICT

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DELAWARE RIVER AT CAMDEN, N. J.  
(INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA)--CONTINUED  
FREIGHT TRAFFIC, 1987--CONTINUED  
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3318 FERROALLOYS-----	190	108	82	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	4,166	3,746	420	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	10,671	10,508	163	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	368	271	97	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	23,710	23,326	384	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	10,565	10,458	107	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	35,585	34,632	953	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	39,736	36,719	2,922	-----	-----	-----	95	-----
3611 ELECTRICAL MACH AND EQUIP-----	4,641	2,756	1,885	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,470	747	2,723	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	19	-----	19	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	1,684	1,682	2	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	596	202	394	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	326	111	215	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	716	538	178	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	789,124	-----	780,674	-----	-----	1,067	7,383	-----
4012 NONFERROUS METAL SCRAP-----	36,068	35,225	843	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	822	28	794	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	1,508	-----	1,508	-----	-----	-----	-----	-----
4111 WATER-----	665	-----	-----	-----	-----	665	-----	-----
4112 COMMODITIES, NEC-----	2,073	637	1,394	-----	-----	42	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	78	-----	78	-----	-----	-----	-----	-----

SCHUYLKILL RIVER, PA. (INCLUDED IN PHILADELPHIA HARBOR, PA.)

SECTION INCLUDED: DELAWARE RIVER TO UNIVERSITY AVENUE BRIDGE, PHILADELPHIA, 6.5 MILES. CONTROLLING DEPTH IN MIDDLE HALF OF CHANNEL: OCTOBER 1987, 24.8 FEET TO UPPER END OF BERTH #1, ARCO BALLAST WHARF, OCTOBER 1987, 20.5 FEET TO PASSYUNK AVENUE BRIDGE, (MINIMUM DEPTH IN RIGHT OUTSIDE QUARTER 26.1 FEET), 4 MILES; THENCE IN OCTOBER 1987, 14.8 FEET TO GIBSON POINT, 1 MILE; THENCE IN JULY 1983, 10.9 FEET TO UNIVERSITY AVENUE BRIDGE; 1.5 MILES. PROJECT DEPTH: 33 FEET TO PASSYUNK AVENUE BRIDGE; THENCE 26 FEET TO GIBSON POINT; AND THENCE 22 FEET TO UNIVERSITY AVENUE BRIDGE.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	14,200,311	1983-----	10,801,871
1979-----	14,910,138	1984-----	9,498,523
1980-----	14,304,536	1985-----	7,597,545
1981-----	11,102,245	1986-----	7,656,083
1982-----	11,514,657	1987-----	8,726,157

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC				LOCAL
		IMPORTS	COASTWISE		INTERNAL		
			RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	8,726,157	423,238	432,228	3,319,280	1,999,499	2,376,920	174,992
0133 COFFEE-----	307	307					
1121 COAL AND LIGNITE-----	33,543	33,543					
1311 CRUDE PETROLEUM-----	7,552	7,552					
1442 SAND, GRAVEL, CRUSHED ROCK-----	97,770	6,962			90,808		
1494 GYPSUM, CRUDE AND PLASTERS-----	143,538	143,538					
2691 PULP AND PAPER PRODUCTS, NEC-----	15	15					
2813 ALCOHOLS-----	7,997			4,530	3,467		
2817 BENZENE AND TOLUENE-----	53,166			21,401	7,360	24,405	
2819 BASIC CHEMICALS AND PROD, NEC-----	250,656		1,717	17,242		231,697	
2911 GASOLINE-----	1,722,129		302,767	1,156,816	209,123	47,341	5,882
2912 JET FUEL-----	116,565			80,530	28,588	5,476	1,971
2913 KEROSENE-----	49,543			8,556	27,690	6,177	7,120
2914 DISTILLATE FUEL OIL-----	1,306,188			537,567	518,276	192,354	57,991
2915 RESIDUAL FUEL OIL-----	3,479,404	148,795	42,756	755,689	1,082,586	1,347,550	102,828
2916 LUBRICATING OILS AND GREASES-----	62,059		33,699	5,184	23,176		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	277,432		51,289	188,242		37,901	
2918 ASPHALT, TAR, AND PITCHES-----	1,027,339			543,523		483,816	
2921 LIQUEFIED GASES-----	82,075	82,075					
2991 PETROLEUM AND COAL PROD, NEC-----	8,325				8,325		
3315 IRON, STEEL SHAPES, EXC SHEET-----	451	451					
3511 MACHINERY, EXCEPT ELECTRICAL-----	103				100	3	
TOTAL TON-MILES, 24,336,894.							



# Waterborne Commerce of the United States, 1987

PHILADELPHIA HARBOR, PA. (INCLUDED IN DELAWARE RIVER BETWEEN  
PHILADELPHIA, PA., AND TRENTON, N. J., DELAWARE RIVER,  
PHILADELPHIA, PA. TO THE SEA AND SCHUYLKILL RIVER, PA.)

SECTION INCLUDED: DELAWARE RIVER FROM THE LOWER DOCK AT HOG ISLAND, BELOW THE MOUTH OF SCHUYLKILL RIVER, TO THE MOUTH OF POQUESSING CREEK, THE UPPER LIMIT OF THE CITY, 23 MILES AND SCHUYLKILL RIVER FROM ITS MOUTH TO FAIRMOUNT DAM, 8.4 MILES. FOR CONTROLLING AND PROJECT DEPTH SEE TABLES OF INDIVIDUAL REFERENCED PROJECTS.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	50,822,894	407,604	1983-----	29,808,414	532,020
1979-----	54,865,960	532,773	1984-----	28,509,784	443,539
1980-----	47,882,836	496,313	1985-----	32,690,108	261,677
1981-----	41,583,752	507,584	1986-----	35,661,183	395,399
1982-----	31,936,235	507,614	1987-----	37,336,977	261,426

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	37,336,977	21,176,810	2,082,567	1,100,878	3,470,900	6,225,314	2,348,043	932,465
0103 CORN-----	2		2					
0104 OATS-----	168		168					
0105 RICE-----	105	105						
0111 SOYBEANS-----	20		20					
0119 OILSEEDS, NEC-----	260	242	18					
0121 TOBACCO, LEAF-----	972	924	48					
0129 FIELD CROPS, NEC-----	468	442	11	15				
0131 FRESH FRUITS-----	40,864	40,317	547					
0132 BANANAS AND PLANTAINS-----	75	75						
0133 COFFEE-----	23,048	23,041	7					
0134 COCOA BEANS-----	93,856	93,778	58	20				
0141 FRESH AND FROZEN VEGETABLES-----	7,059	5,847	198	1,014				
0151 LIVE ANIMALS-----	24			24				
0161 ANIMALS AND PRODUCTS, NEC-----	4,576	3,274	1,302					
0191 MISCELLANEOUS FARM PRODUCTS-----	117	90	27					
0841 CRUDE RUBBER AND ALLIED GUMS-----	885	150	735					
0861 FOREST PRODUCTS, NEC-----	6,554	5,632	922					
0911 FRESH FISH, EXCEPT SHELLFISH-----	6,029	5,489	519	21				
0912 SHELLFISH, EXCEPT PREPARED-----	932							
1011 IRON ORE AND CONCENTRATES-----	1,829,256	1,829,256						
1051 ALUMINUM ORES, CONCENTRATES-----	84	73	11					
1061 MANGANESE ORES, CONCENTRATES-----	5,857	5,791	66					
1091 NONFERROUS ORES, CONCENT, NEC-----	17,204	16,689	515					
1121 COAL AND LIGNITE-----	1,688,161	33,543	1,646,284	8,334				
1311 CRUDE PETROLEUM-----	19,011,714	15,162,022		24,562		3,822,521		2,609
1411 LIMESTONE-----	58,461		58,461					
1442 SAND, GRAVEL, CRUSHED ROCK-----	98,097	7,157	132			90,808		
1451 CLAY-----	28,180	22,289	5,891					
1491 SALT-----	66,144	66,144						
1492 SULPHUR, DRY-----	1,331		1,331					
1494 GYPSUM, CRUDE AND PLASTERS-----	143,559	143,538	21					
1499 NONMETALLIC MINERALS, NEC-----	994	453	541					
1911 ORDNANCE AND ACCESSORIES-----	234	219	15					
2011 MEAT, FRESH, CHILLED, FROZEN-----	9,405	7,521	1,289	595				
2012 MEAT AND PRODUCTS, NEC-----	17,428	15,753	375	1,300				
2014 TALLOW, ANIMAL FATS AND OILS-----	177		177					
2015 ANIMAL BY-PRODUCTS, NEC-----	426	190	236					
2021 DAIRY PRODUCTS, NEC-----	6,911	3,440	156	3,315				
2022 DRIED MILK AND CREAM-----	926	89	587	250				
2031 FISH AND SHELLFISH, PREPARED-----	2,945	2,559	3	383				
2034 VEGETABLES AND PREP, NEC-----	4,046	3,943	80	23				
2039 PREP FRUIT AND VEG JUICE, NEC-----	260,582	259,150	824	608				
2042 ANIMAL FEEDS-----	11,489	533	327	10,629				
2049 GRAIN MILL PRODUCTS, NEC-----	560	466	94					
2081 ALCOHOLIC BEVERAGES-----	59,169	59,080	89					
2091 VEGETABLE OILS, MARG, SHORT-----	6,001	4,505	308	1,188				
2092 ANIMAL OILS AND FATS, NEC-----	163	163						
2095 ICE-----	107	107						
2099 MISCELLANEOUS FOOD PRODUCTS-----	177,640	160,962	15,933	745				
2111 TOBACCO MANUFACTURES-----	144	8	136					
2211 BASIC TEXTILE PRODUCTS-----	9,763	8,702	1,052	9				
2212 TEXTILE FIBERS, NEC-----	1,267	1,267						
2311 APPAREL-----	1,410	786	31	593				
2411 LOGS-----	6,035	185	5,850					
2416 WOOD CHIPS, STAVES, MOULDINGS-----	19	19						
2421 LUMBER-----	35,040	32,002	3,038					
2431 VENEER, PLYWOOD, WORKED WOOD-----	16,166	15,997	169					
2491 WOOD MANUFACTURES, NEC-----	2,353	1,455	851	47				
2511 FURNITURE AND FIXTURES-----	9,397	9,242	65	90				
2611 PULP-----	14,712	14,712						
2621 STANDARD NEWSRINT PAPER-----	67,817	67,376	441					
2631 PAPER AND PAPERBOARD-----	605,164	596,976	8,188					
2691 PULP AND PAPER PRODUCTS, NEC-----	10,306	6,986	3,224	96				
2711 PRINTED MATTER-----	1,346	893	453					
2810 SODIUM HYDROXIDE-----	1,343			1,343				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	11,657	10,476	1,181					
2812 DYES, PIGMENT, TANNING MATS-----	191		191					
2813 ALCOHOLS-----	13,987	5,644	346	4,530	3,467			
2816 RADIOACTIVE MATERIALS, WASTES-----	1	1						
2817 BENZENE AND TOLUENE-----	148,369	54,512	16,869	13,405	21,401	9,200	21,585	11,397
2818 SULPHURIC ACID-----	1,300						1,300	
2819 BASIC CHEMICALS AND PROD, NEC-----	1,254,314	365,743	44,101	46,162	80,193	95,575	238,918	383,622
2821 PLASTIC MATERIALS-----	23,003	9,829	13,174					

PHILADELPHIA HARBOR, PA. (INCLUDED IN DELAWARE RIVER BETWEEN  
PHILADELPHIA, PA., AND TRENTON, N. J., DELAWARE RIVER,  
PHILADELPHIA, PA. TO THE SEA AND SCHUYLKILL RIVER, PA.)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2822 SYNTHETIC RUBBER-----	1,842		1,442			400		
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,264	452	812					
2831 DRUGS-----	2,896	1,260	431	1,205				
2841 SOAP-----	2,449	759	1,690					
2851 PAINTS-----	4,648	4,294	354					
2861 GUM AND GUMMED CHEMICALS-----	13,830	301	93	11,897	1,539			
2871 NITROGENOUS CHEM FERTILIZERS-----	33,777	16,864		3,898		6,762	6,253	
2872 POTASSIC CHEM FERTILIZERS-----	1	1						
2873 PHOSPHATIC CHEM FERTILIZERS-----	9,445	64		2,000		7,381		
2876 INSECTICIDES, DISINFECTANTS-----	1,507	133	1,374					
2879 FERTILIZER AND MATERIALS, NEC-----	76		76					
2891 MISCELLANEOUS CHEMICAL PROD-----	34,813	12,774	21,917	122				
2911 GASOLINE-----	2,296,725	258,919	62	514,626	1,169,430	150,169	133,437	70,082
2912 JET FUEL-----	121,060				80,530	32,301	6,258	1,971
2913 KEROSENE-----	68,026				8,556	27,690	6,177	7,120
2914 DISTILLATE FUEL OIL-----	1,409,803	3,241		50,913	537,567	539,544	210,458	67,880
2915 RESIDUAL FUEL OIL-----	4,766,572	745,875		232,467	821,829	1,406,706	1,174,391	385,304
2916 LUBRICATING OILS AND GREASES-----	94,304	24,077	4,401	33,699	5,184	23,176	2,762	1,005
2917 NAPHTHA, PETROLEUM SOLVENTS-----	356,976	28,856	86	101,891	188,242		37,901	
2918 ASPHALT, TAR, AND BITUMENS-----	1,038,581	11,227	15		543,523		483,816	
2920 COKE, PETROLEUM COKE-----	64,638		61,403				3,235	
2921 LIQUEFIED GASES-----	82,151	82,075	76					
2951 ASPHALT BUILDING MATERIALS-----	34		34					
2991 PETROLEUM AND COAL PROD, NEC-----	36,022	9,325	1,354			8,325	17,018	
3011 RUBBER AND MISC PLASTIC PROD-----	11,551	8,720	2,052	779				
3111 LEATHER AND LEATHER PRODUCTS-----	13,241	12,772	469					
3211 GLASS AND GLASS PRODUCTS-----	4,601	3,178	1,396	27				
3241 BUILDING CEMENT-----	120,338	120,326	12					
3251 STRUCTURAL CLAY PRODUCTS-----	8,905	7,832	1,073					
3281 CUT STONE AND STONE PRODUCTS-----	1,345	1,286	9	50				
3291 MISC NONMETALLIC MINERAL PROD-----	15,694	13,307	2,331	56				
3314 IRON AND STEEL PRIMARY FORMS-----	8,889	8,889						
3315 IRON, STEEL SHAPES, EXC SHEET-----	344,750	344,578	172					
3316 IRON AND STEEL PLATES, SHEETS-----	5,694	829	4,865					
3317 IRON AND STEEL PIPE AND TUBE-----	43,295	43,158	137					
3318 FERROALLOYS-----	2,845	2,639	206					
3319 IRON AND STEEL PRODUCTS, NEC-----	11,460	8,779	2,410	271				
3321 NONFERROUS METALS, NEC-----	1,983	1,885	98					
3322 COPPER ALLOYS, UNWORKED-----	3,066	2,698	368					
3323 LEAD AND ZINC, UNWORKED-----	18,784	18,687	97					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	17,253	17,024	217	12				
3411 FABRICATED METAL PRODUCTS-----	50,134	47,870	2,146	43			75	
3511 MACHINERY, EXCEPT ELECTRICAL-----	76,036	67,286	8,207	6	42	314	136	45
3611 ELECTRICAL MACH AND EQUIP-----	18,144	12,081	5,488	566		3	6	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	41,885	28,430	13,446	9				
3721 AIRCRAFT AND PARTS-----	121	101	20					
3731 SHIPS AND BOATS-----	170	140	30					
3791 MISC TRANSPORTATION EQUIPMENT-----	4,391	3,956	435					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	4,853	3,215	1,584	54				
3911 MISC MANUFACTURED PRODUCTS-----	4,061	2,327	295	1,439				
4011 IRON AND STEEL SCRAP-----	52,262	22	52,240					
4012 NONFERROUS METAL SCRAP-----	13,571	897	12,664	10				
4022 TEXTILE WASTE, SCRAP, SWEEP-----	1,294	127	1,117	50				
4024 PAPER WASTE AND SCRAP-----	29,712		29,712					
4111 WATER-----	4,872						5,580	1,292
4112 COMMODITIES, NEC-----	31,950	4,490	5,945	19,868		972	537	130
9999 DEPARTMENT OF DEFENSE AND SCI-----	18		18					

TRENTON HARBOR, N. J. (INCLUDED IN DELAWARE RIVER BETWEEN  
PHILADELPHIA, PA., AND TRENTON, N. J.)

SECTION INCLUDED: OIL TERMINALS AT DUCK ISLAND TO FERRY STREET, TRENTON, N. J., 3.4 MILES. CONTROLLING DEPTH IN MIDDLE HALF OF CHANNEL: DUCK ISLAND TO TRENTON MARINE TERMINAL, IN JANUARY 1987, 11.7 FEET, AND THENCE TO PENNSYLVANIA R. R. BRIDGE AT TRENTON IN JANUARY 1987, 10.7 FEET. PROJECT DEPTH: DUCK ISLAND TO TRENTON MARINE TERMINAL 25 FEET AUTHORIZED BUT DEFERRED; THENCE OF PENNSYLVANIA R. R. BRIDGE, 12 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	895,855	4	1983-----	1,287,789	-----
1979-----	923,047	-----	1984-----	1,354,485	-----
1980-----	1,011,340	-----	1985-----	1,186,745	-----
1981-----	1,081,558	-----	1986-----	846,085	-----
1982-----	1,176,400	-----	1987-----	827,529	-----

# Waterborne Commerce of the United States, 1987

TRENTON HARBOR, N. J. (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA., AND TRENTON, N. J.)--CONTINUED

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL RECEIPTS
TOTAL-----	627,529
1121 COAL AND LIGNITE-----	772,288
2911 GASOLINE-----	18,984
2913 KEROSENE-----	1,488
2914 DISTILLATE FUEL OIL-----	34,929

## WILMINGTON HARBOR, DELAWARE

SECTION INCLUDED: WEST SHORE OF DELAWARE RIVER FROM AND INCLUDING PIGEON POINT, DEL., TO AND INCLUDING EDGEWOOD, DEL., 4.4 MILES; AND MAY 1984, 40.1 FEET. IN THE CHRISTINA RIVER IN JULY 1987, 31.2 FEET TO THE UPPER END OF MARINE TERMINAL (MARF) THENCE IN JULY 1987, 31.8 FEET TO LOBDELL CANAL, 1.2 MILES; THENCE IN MAY 1984, 11.3 FEET TO MARKET STREET BRIDGE AT WILMINGTON, 2.1 MILES; THENCE JANUARY 1960, 13.2 FEET TO THE FORMER PULP WORKS, 1.2 MILES; THENCE JANUARY 1960, 5.8 FEET TO PENNSYLVANIA R R BRIDGE NO. 4, 0.3 MILES; THENCE 6.1 FEET TO NEWPORT, 5 MILES. PROJECT DEPTH: IN DELAWARE RIVER, 40 FEET, IN CHRISTINA RIVER, 35 FEET TO LOBDELL CANAL, THENCE 21 FEET TO THE FORMER PULP WORKS; THENCE 10 FEET TO PENNSYLVANIA R. R. BRIDGE NO. 4, AND THENCE 7 FEET TO NEWPORT. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC - RAILROAD FREIGHT CARS				YEAR	TONS	ADDITIONAL TRAFFIC - RAILROAD FREIGHT CARS			
		RECEIPTS		SHIPMENTS				RECEIPTS		SHIPMENTS	
		EMPTY	LOADED	EMPTY	LOADED			EMPTY	LOADED	EMPTY	LOADED
1978--	3,310,324	1,109	833	507	860	1983--	2,318,722	-----	-----	-----	-----
1979--	3,252,629	480	463	303	475	1984--	2,786,791	-----	-----	-----	-----
1980--	3,535,993	211	252	182	166	1985--	2,362,269	-----	-----	-----	-----
1981--	3,130,122	223	338	175	207	1986--	3,819,974	-----	-----	-----	-----
1982--	2,515,288	17	99	23	19	1987--	3,464,008	-----	-----	-----	-----

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	3,464,008	2,309,039	238,258	99,595	55,089	553,066	194,807	14,154
0121 TOBACCO, LEAF-----	42	42						
0129 FIELD CROPS, NEC-----	204	204						
0131 FRESH FRUITS-----	23,042	22,263	779					
0132 BANANAS AND PLANTAINS-----	388,260	388,260						
0133 COFFEE-----	115	38	77					
0134 COCOA BEANS-----	200	200						
0141 FRESH AND FROZEN VEGETABLES-----	6		6					
0151 LIVE ANIMALS-----	1,053		1,053					
0161 ANIMALS AND PRODUCTS, NEC-----	21		21					
0191 MISCELLANEOUS FARM PRODUCTS-----	23	23						
0861 FOREST PRODUCTS, NEC-----	30		30					
0911 FRESH FISH, EXCEPT SHELLFISH-----	318	318						
0912 SHELLFISH, EXCEPT PREPARED-----	151	151						
1051 ALUMINUM ORES, CONCENTRATES-----	12,669	12,600	69					
1061 MANGANESE ORES, CONCENTRATES-----	6,724	6,724						
1091 NONFERROUS ORES, CONCENT. NEC-----	15		15					
1121 COAL AND LIGNITE-----	37,506		37,506					
1311 CRUDE PETROLEUM-----	394,063	394,063						
1412 BUILDING STONE, UNWORKED-----	112		112					
1442 SAND, GRAVEL, CRUSHED ROCK-----	44		44					
1451 CLAY-----	19,032	18,478	554					
1491 SALT-----	153,699	153,699						
1494 GYPSUM, CRUDE AND PLASTERS-----	268,858	268,858						
1499 NONMETALLIC MINERALS, NEC-----	27,060	26,975	85					
2011 MEAT, FRESH, CHILLED, FROZEN-----	47,446	46,635	811					
2012 MEAT AND PRODUCTS, NEC-----	1,651	1,538	113					
2014 TALLOW, ANIMAL FATS AND OILS-----	19		19					
2015 ANIMAL BY-PRODUCTS, NEC-----	56		56					
2022 DRIED MILK AND CREAM-----	20		20					
2031 FISH AND SHELLFISH, PREPARED-----	22	21	1					
2034 VEGETABLES AND PREP. NEC-----	197		197					
2039 PREP FRUIT AND VEG JUICE, NEC-----	123,070	122,943	127					
2041 WHEAT FLOUR AND SEMOLINA-----	58		58					
2042 ANIMAL FEEDS-----	508		508					
2049 GRAIN MILL PRODUCTS, NEC-----	213		213					
2081 ALCOHOLIC BEVERAGES-----	405	370	35					
2091 VEGETABLE OILS, MARG, SHORT-----	69		69					
2099 MISCELLANEOUS FOOD PRODUCTS-----	5,458	5,230	228					
2211 BASIC TEXTILE PRODUCTS-----	2,462	2,140	322					
2212 TEXTILE FIBERS, NEC-----	4		4					
2311 APPAREL-----	19	15	4					
2411 LOGS-----	463	115	348					
2421 LUMBER-----	178,501	178,501						
2431 VENEER, PLYWOOD, WORKED WOOD-----	440	440						
2491 WOOD MANUFACTURES, NEC-----	2,610		2,608					
2511 FURNITURE AND FIXTURES-----	44	37	7					
2621 STANDARD NEWSPRINT PAPER-----	11,678	11,678						

## PHILADELPHIA, PA, DISTRICT

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WILMINGTON HARBOR, DELAWARE--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2631 PAPER AND PAPERBOARD-----	424		424					
2691 PULP AND PAPER PRODUCTS, NEC-----	471		471					
2711 PRINTED MATTER-----	83	1	82					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	21,755		21,755					
2812 DYES, PIGMENT, TANNING MATS-----	7		7					
2813 ALCOHOLS-----	37		37					
2817 BENZENE AND TOLUENE-----	21,888		2,287			1,724	17,877	
2819 BASIC CHEMICALS AND PROD, NEC-----	10,799	5,416	5,383					
2821 PLASTIC MATERIALS-----	3,752	43	3,709					
2831 DRUGS-----	15		15					
2841 SOAP-----	400	175	225					
2851 PAINTS-----	17,163	16,972	191					
2871 NITROGENOUS CHEM FERTILIZERS-----	58,015	56,364	1,651					
2876 INSECTICIDES, DISINFECTANTS-----	617		617					
2891 MISCELLANEOUS CHEMICAL PROD-----	6,805	15	2,306		4,484			
2911 GASOLINE-----	76,112		2	42,675	10,112		23,323	
2912 JET FUEL-----	8,519				8,519			
2913 KEROSENE-----	32,511				23,657	4,697	4,157	
2914 DISTILLATE FUEL OIL-----	300,056	37,428		10,835		227,870	23,848	277
2915 RESIDUAL FUEL OIL-----	553,223	126,841		44,685	8,317	310,995	48,508	13,877
2916 LUBRICATING OILS AND GREASES-----	13,529		13,134			395		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	20,814		20,814					
2920 COKE, PETROLEUM COKE-----	41,136		41,136					
2921 LIQUEFIED GASES-----	1,620		1,620					
2991 PETROLEUM AND COAL PROD, NEC-----	48,923		26				48,807	
3011 RUBBER AND MISC PLASTIC PROD-----	501	176	325					
3111 LEATHER AND LEATHER PRODUCTS-----	14		14					
3211 GLASS AND GLASS PRODUCTS-----	5,869	5,828	41					
3241 BUILDING CEMENT-----	19		19					
3251 STRUCTURAL CLAY PRODUCTS-----	568	564	4					
3291 MISC NONMETALLIC MINERAL PROD-----	58	11	47					
3314 IRON AND STEEL PRIMARY FORMS-----	2,285	2,285						
3315 IRON, STEEL SHAPES, EXC SHEET-----	217,929	210,338	6			7,585		
3316 IRON AND STEEL PLATES, SHEETS-----	1,965	1,876	89					
3317 IRON AND STEEL PIPE AND TUBE-----	14,280	14,268	12					
3318 FERROALLOYS-----	45		45					
3319 IRON AND STEEL PRODUCTS, NEC-----	22		22					
3321 NONFERROUS METALS, NEC-----	750	660	90					
3322 COPPER ALLOYS, UNWORKED-----	805	702	103					
3323 LEAD AND ZINC, UNWORKED-----	4,159	4,159						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	29,447	28,339	1,108					
3411 FABRICATED METAL PRODUCTS-----	2,993	2,818	175					
3511 MACHINERY, EXCEPT ELECTRICAL-----	28,126	23,435	3,291	1,400				
3611 ELECTRICAL MACH AND EQUIP-----	369	26	363					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	168,749	107,448	61,301					
3731 SHIPS AND BOATS-----	38	14	24					
3791 MISC TRANSPORTATION EQUIPMENT-----	266		266					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	136	74	62					
3911 MISC MANUFACTURED PRODUCTS-----	99		99					
4011 IRON AND STEEL SCRAP-----	191		191					
4012 NONFERROUS METAL SCRAP-----	878		878					
4022 TEXTILE WASTE, SCRAP, SNEEP-----	37		37					
4024 PAPER WASTE AND SCRAP-----	6,001		6,001					
4029 WASTE AND SCRAP, NEC-----	28,197						28,197	
4112 COMMODITIES, NEC-----	1,852	160	1,692					
9999 DEPARTMENT OF DEFENSE AND SCI-----	6		6					

SUMMARY OF TRAFFIC - DELAWARE RIVER AND TRIBUTARIES, TRENTON, N. J. TO THE SEA, 1987

(SHORT TONS)

LOCALITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TRENTON HARBOR, N. J.,-----	827,529	-----	-----	-----	-----	827,529	-----	-----
BORDENTOWN-FIELDSBORO, N. J.,-----	-----	-----	-----	-----	-----	-----	-----	-----
BURLINGTON-FLORENCE-ROEBLING, N. J.,-----	641,196	274,276	82	-----	-----	349,213	13,928	3,697
RIVERTON-DELANCO-BEVERLY, N. J.,-----	-----	-----	-----	-----	-----	-----	-----	-----
PENN HARBOR, PA., AND VICINITY-----	2,557,764	2,325,107	15,085	10,871	-----	199,942	6,759	-----
BRISTOL, PA., AND VICINITY-----	87,833	-----	-----	-----	-----	56,955	30,878	-----
PHILADELPHIA HARBOR, PA.,-----	37,336,977	21,176,810	2,082,567	1,100,878	3,470,900	6,225,314	2,348,043	932,465
CAMDEN-GLoucester, N. J.,-----	7,885,736	2,796,254	1,382,852	722,444	546,172	1,180,117	1,203,600	54,297
CHESTER, PA.,-----	583,436	185,577	6,361	650	-----	384,345	6,503	-----
MARCUS HOOK, PA., AND VICINITY-----	28,154,337	16,545,059	30,738	2,060,126	1,610,918	4,059,179	3,354,317	94,000
PAULSBORO, N. J., AND VICINITY-----	17,936,169	11,006,258	128,109	854,125	1,748,845	2,325,111	1,701,208	172,513
THOMPSON POINT, N. J., AND VICINITY-----	324,379	81,960	-----	58,174	1,065	116,025	67,155	-----
WILMINGTON HARBOR, DEL.,-----	3,464,008	2,309,039	238,258	99,595	55,089	553,066	194,807	14,154
PENNSGROVE-CARNEY POINT, N. J.,-----	224,174	41,804	76,108	9,663	-----	96,499	100	-----
VEN CASTLE, DEL., AND VICINITY-----	11,292,068	4,194,981	37,447	314,203	2,401,648	2,948,309	1,395,130	350
ARTIFICIAL IS., N. J., AND VICINITY-----	405	-----	-----	-----	-----	3	402	-----
LOWER DELAWARE BAY, N. J.,-----	34,590	-----	-----	-----	-----	32,171	1,884	538
LOWER DELAWARE BAY, DEL.,-----	15,190,587	3,523,053	7,090	29,213	355,013	203,405	11,072,813	-----
TOTAL-----	126,541,188	64,460,178	4,004,697	5,259,942	10,189,650	19,957,183	21,397,527	1,272,011
NET VOLUME OF COMMERCE-----	108,074,912	64,460,178	4,004,697	5,259,942	10,189,650	-----	22,888,434	1,272,011

## Waterborne Commerce of the United States, 1987

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DEL.  
AND MD. - CHESAPEAKE AND DELAWARE CANAL

SECTION INCLUDED: DELAWARE RIVER TO POULES ISLAND IN CHESAPEAKE BAY, 46 MILES. CONTROLLING DEPTH: IN NOVEMBER 1987, 35.6 FEET IN MIDDLE HALF OF CHANNEL. PROJECT DEPTH: 35 FEET AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	14,571,375	13,088	1983-----	17,403,805	19
1979-----	14,396,868	9,986	1984-----	17,623,257	549
1980-----	15,975,922	1,795	1985-----	17,856,177	-----
1981-----	15,986,379	1,261	1986-----	15,233,159	30
1982-----	16,962,746	1,642	1987-----	15,368,052	1,543

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		EASTBOUND	WESTBOUND	COASTWISE		INTERNAL	
				EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
TOTAL-----	15,368,052	3,627,344	4,029,579	1,340,157	1,637,368	1,672,340	3,061,264
0103 CORN-----	7,219	7,219	-----	-----	-----	-----	-----
0105 RICE-----	23	-----	-----	-----	23	-----	-----
0107 WHEAT-----	31,000	31,000	-----	-----	-----	-----	-----
0122 HAY AND FODDER-----	11	-----	-----	-----	11	-----	-----
0129 FIELD CROPS, NEC-----	58	-----	-----	-----	58	-----	-----
0131 FRESH FRUITS-----	174	-----	-----	-----	174	-----	-----
0133 COFFEE-----	375	-----	-----	-----	375	-----	-----
0134 COCOA BEANS-----	2,072	2,072	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	101	-----	-----	-----	101	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	118	-----	-----	-----	118	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	2,030	2,001	-----	-----	29	-----	-----
0861 FOREST PRODUCTS, NEC-----	1,474	-----	-----	42	1,432	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	705	-----	-----	-----	705	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	222	-----	-----	-----	222	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	10,755	-----	-----	-----	400	10,385	-----
1011 IRON ORE AND CONCENTRATES-----	25,023	-----	-----	-----	-----	25,023	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	95,444	46,747	48,697	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	1,773,951	17,332	6,300	978,111	-----	772,208	-----
1311 CRUDE PETROLEUM-----	12,770	-----	-----	-----	-----	-----	12,770
1442 SAND, GRAVEL, CRUSHED ROCK-----	269,533	1,440	-----	-----	-----	268,093	-----
1451 CLAY-----	23,100	23,100	-----	-----	-----	-----	-----
1491 SALT-----	10,500	-----	10,500	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	514,910	-----	514,910	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	7,540	2,540	5,000	-----	-----	-----	-----
1911 ORNANCE AND ACCESSORIES-----	1,300	-----	-----	1,300	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	497	-----	-----	-----	497	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	652	-----	-----	-----	652	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	2	-----	-----	-----	2	-----	-----
2021 DAIRY PRODUCTS, NEC-----	87	-----	-----	-----	87	-----	-----
2022 DRIED MILK AND CREAM-----	68	-----	-----	-----	68	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	13,313	-----	-----	-----	13,313	-----	-----
2034 VEGETABLES AND PREP, NEC-----	10,924	-----	-----	644	10,280	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	7,100	-----	4,200	-----	2,900	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	4,323	4,000	-----	-----	323	-----	-----
2061 SUGAR-----	53,653	49,000	-----	-----	4,653	-----	-----
2062 MOLASSES-----	30,188	24,200	5,988	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	4,295	-----	-----	-----	4,295	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	6,986	3,733	3,135	-----	118	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	5,701	-----	5,701	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	7,443	-----	-----	163	7,280	-----	-----
2111 TOBACCO MANUFACTURES-----	96	-----	-----	-----	96	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	72	-----	-----	20	52	-----	-----
2311 APPAREL-----	168	-----	-----	85	83	-----	-----
2411 LOGS-----	98	-----	-----	98	-----	-----	-----
2421 LUMBER-----	172,110	133,423	37,755	68	2	862	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	7	-----	-----	-----	7	-----	-----
2491 WOOD MANUFACTURES, NEC-----	8,317	-----	8,000	252	65	-----	-----
2511 FURNITURE AND FIXTURES-----	1,249	-----	-----	44	1,205	-----	-----
2611 PULP-----	2,500	-----	2,500	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	93,925	9,286	16,911	-----	-----	67,728	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2,728	-----	2,000	-----	728	-----	-----
2711 PRINTED MATTER-----	6,310	-----	6,250	-----	60	-----	-----
2810 SODIUM HYDROXIDE-----	160,926	-----	102,861	4,704	23,826	-----	29,535
2813 ALCOHOLS-----	7,232	-----	2,211	-----	5,021	-----	-----
2817 BENZENE AND TOLUENE-----	17,556	-----	-----	1,452	-----	15,704	-----
2819 SULPHURIC ACID-----	198,955	-----	56,028	1,700	15,547	125,680	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	473,355	-----	32,876	2,317	31,010	38,710	348,442
2821 PLASTIC MATERIALS-----	2,119	-----	500	9	1,610	-----	-----
2822 SYNTHETIC RUBBER-----	510	-----	-----	46	64	400	-----
2831 DRUGS-----	41	-----	-----	-----	41	-----	-----
2841 SOAP-----	613	-----	-----	365	248	-----	-----
2851 PAINTS-----	27	-----	-----	-----	27	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	18,762	-----	12,000	-----	-----	6,762	-----
2872 POTASSIC CHEM FERTILIZERS-----	21,193	-----	21,193	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	7,640	-----	-----	-----	259	7,381	-----
2879 FERTILIZER AND MATERIALS, NEC-----	38,200	2,000	36,200	-----	-----	-----	-----
2991 MISCELLANEOUS CHEMICAL PROD-----	9,685	-----	-----	116	-----	9,569	-----
2911 GASOLINE-----	1,052,947	-----	-----	34,570	136,041	28,944	853,392
2912 JET FUEL-----	269,153	-----	-----	-----	-----	51,631	217,522
2913 KEROSENE-----	56,257	4,680	-----	-----	11,884	-----	39,693
2914 DISTILLATE FUEL OIL-----	454,099	25,680	8,000	40,469	40,255	152,187	187,580
2915 RESIDUAL FUEL OIL-----	876,677	41,309	35,170	19,136	42,908	101,162	636,992
2916 LUBRICATING OILS AND GREASES-----	35,535	9,380	7,189	5,922	9,089	-----	3,955
2917 NAPHTHA, PETROLEUM SOLVENTS-----	11,459	-----	-----	-----	7,261	-----	4,198
2918 ASPHALT, TAR, AND PITCHES-----	1,360,810	94,090	19,901	82,021	650,543	-----	518,295

## PHILADELPHIA, PA, DISTRICT

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INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DEL.  
AND MD. - CHESAPEAKE AND DELAWARE CANAL--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		EASTBOUND	WESTBOUND	COASTWISE		INTERNAL	
				EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
2920 COKE, PETROLEUM COKE-----	9,453	2,692	211	-----	-----	-----	6,550
2991 PETROLEUM AND COAL PROD, NEC-----	115,019	12,575	10,000	2,105	57,413	18,319	14,607
3011 RUBBER AND MISC PLASTIC PROD-----	9,926	-----	3,531	150	6,245	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	496	-----	-----	-----	496	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	290	-----	-----	-----	290	-----	-----
3241 BUILDING CEMENT-----	427,207	-----	47,546	127,032	252,629	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	26,173	7,853	16,071	-----	2,249	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,683	-----	-----	-----	1,683	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	14,992	300	6,000	-----	342	8,350	-----
3314 IRON AND STEEL PRIMARY FORMS-----	124	-----	-----	-----	124	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	70,888	-----	33,438	-----	-----	16,325	21,128
3317 IRON AND STEEL PIPE AND TUBE-----	3,725	-----	-----	-----	1,118	2,607	-----
3318 FERROALLOYS-----	7,631	-----	7,631	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	351,092	114,995	224,749	12,148	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	24	-----	-----	-----	24	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	6,369	-----	6,849	-----	1,520	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,708	-----	-----	-----	1,708	-----	-----
3411 FABRICATED METAL PRODUCTS-----	45,071	37,441	4,957	778	1,895	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	42,866	16,212	19,641	1,724	4,789	249	231
3611 ELECTRICAL MACH AND EQUIP-----	1,719	-----	-----	271	1,342	-----	106
3711 MOTOR VEHICLES, PARTS, EQUIP-----	353,498	183,542	162,071	5,844	2,041	-----	-----
3721 AIRCRAFT AND PARTS-----	9	-----	-----	-----	9	-----	-----
3731 SHIPS AND BOATS-----	33	-----	-----	15	18	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	11,373	11,359	-----	14	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	408	-----	-----	47	361	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	10,649	3,850	5,110	20	1,669	-----	-----
4011 IRON AND STEEL SCRAP-----	34,632	-----	24,749	-----	-----	2,500	7,383
4012 NONFERROUS METAL SCRAP-----	389	-----	-----	389	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, WHEEP-----	86	-----	-----	86	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	964	-----	-----	964	-----	-----	-----
4111 WATER-----	10,814	-----	-----	9,814	-----	1,000	-----
4112 COMMODITIES, NEC-----	5,437,062	2,686,932	2,395,906	728	274,608	77,272	1,616
4119 EMPTY CONTAINERS-----	71,878	19,434	45,070	3,974	3,400	-----	-----
TOTAL TON-MILES, 714,453,888.							

## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
ABSECON CREEK, N. J.	NO COMMERCE REPORTED			
ABSECON INLET, N. J.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED-----	1,000 2,560		
	TOTAL-----	3,560	3,560	34,520
ALLOMA CREEK, N. J.	NO COMMERCE REPORTED			
APPOQUINIMINK RIVER, DEL.	NO COMMERCE REPORTED			
BARNEGAT INLET, N. J.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- 1442 SAND, GRAVEL, CRUSHED ROCK----- 3511 MACHINERY, EXCEPT ELECTRICAL-----	1,122 73 4,000 500		
	TOTAL-----	5,695	5,695	93,928
BIG TIMBER CREEK, N. J.	NO COMMERCE REPORTED			
BROADKILL RIVER, DEL.	NO COMMERCE REPORTED			
CAPE MAY CANAL, N. J.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- 2914 DISTILLATE FUEL OIL----- 3411 FABRICATED METAL PRODUCTS----- 4112 COMMODITIES, NEC-----	3,020 380 3,872 500 500		
	TOTAL-----	8,272	24,816	1,199,830
COMANSEY RIVER, N. J.	0912 SHELLFISH, EXCEPT PREPARED----- 1442 SAND, GRAVEL, CRUSHED ROCK----- 2914 DISTILLATE FUEL OIL-----	41 21,331 10,840		
	TOTAL-----	32,212	291,489	
COLD SPRING INLET, N. J.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED-----	8,022 60,717		
	TOTAL-----	68,739	68,739	52,236
COOPER RIVER, N. J.	NO COMMERCE REPORTED			
HARBOR OF REFUGE, DELAWARE BAY, DEL.	2871 NITROGENOUS CHEM FERTILIZERS-----	6,253	6,253	1,036,572
HOPE CREEK, N. J.	NO COMMERCE REPORTED			
INDIAN RIVER INLET AND BAY, DEL.				1,940
INLAND WATERWAY BETWEEN HEMBOTH BAY AND DELAWARE BAY, DEL.				43,032
LEIPSIC RIVER, DEL.	NO COMMERCE REPORTED			
LITTLE EGG HARBOR, N. J.	NO COMMERCE REPORTED			
LITTLE RIVER, DEL.	NO COMMERCE REPORTED			
MANASQUAN RIVER, N. J.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED-----	641 8,665		
	TOTAL-----	7,306	14,074	91,606
MANTUA CREEK, N. J.	2061 SUGAR----- 2421 LUMBER----- 2631 PAPER AND PAPERBOARD----- 2810 SODIUM HYDROXIDE----- 2914 DISTILLATE FUEL OIL----- 2920 COKE, PETROLEUM COKE----- 3315 IRON, STEEL SHAPES, ETC SHEET----- 3317 IRON AND STEEL PIPE AND TUBE-----	4,653 862 67,728 8,176 929 2,170 29,805 2,382		
	TOTAL-----	116,759	124,929	
MAURICE RIVER, N. J.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED-----	22 458		
	TOTAL-----	480	3,352	1,560
MISPELLION RIVER, DEL.	NO COMMERCE REPORTED			
MURDERKILL RIVER, DEL.	0912 SHELLFISH, EXCEPT PREPARED-----	94	94	21,220
NEW JERSEY INTRACASTAL WATERWAY	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- 2914 DISTILLATE FUEL OIL----- 3411 FABRICATED METAL PRODUCTS----- 4112 COMMODITIES, NEC-----	12,659 69,270 3,872 500 500		
	TOTAL-----	86,801	1,033,038	1,443,288
OLDMAN'S CREEK, N. J.	3511 MACHINERY, EXCEPT ELECTRICAL-----	100	500	
PEPPER CREEK, DEL.	NO COMMERCE REPORTED			
SALEM RIVER, N. J.	NO COMMERCE REPORTED			
SHYRNA RIVER, DEL.	0912 SHELLFISH, EXCEPT PREPARED-----	72	268	

## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
ST. JONES RIVER, DEL.-----	NO COMMERCE REPORTED			
TONS RIVER, N. J.-----	NO COMMERCE REPORTED			
TUCKERTON CREEK, N. J.-----	912 SHELLFISH, EXCEPT PREPARED-----	1,199	3,597	-----
WATERWAY FROM INDIAN RIVER INLET TO REHOBOTH BAY, DEL.-----	NO COMMERCE REPORTED			



# Waterborne Commerce of the United States, 1987

## BALTIMORE, MD, DISTRICT

### BALTIMORE HARBOR AND CHANNELS, MD.

SECTION INCLUDED: MOUTH OF CHESAPEAKE BAY TO BALTIMORE, MD. CONTROLLING DEPTH: CAPE HENRY TO CRAIGHILL ENTRANCE 42.6 FEET. CRAIGHILL ENTRANCE TO FT. MCHEERY, 40.6 FEET; SOUTHERN APPROACH CHANNELS TO CHESAPEAKE AND DELAWARE CANAL, 35 FEET. BRANCH CHANNEL RANGE FROM 15 TO 40.8 FEET; ANCHORAGES: 1 AT 30.7 FEET, 1 AT 30.8 FEET AND 1 AT 30.2 FEET. PROJECT DEPTH: CAPE HENRY TO FORT MCHEERY, BALTIMORE, MD., 42 FEET; SOUTHERN APPROACH CHANNELS TO CHESAPEAKE AND DELAWARE CANAL, 35 FEET. BRANCH CHANNELS RANGE FROM 15 TO 42 FEET; ANCHORAGES 30 FEET AND 35 FEET.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	46,809,090	178,147	1983-----	31,574,307	424,502
1979-----	51,444,637	203,437	1984-----	37,306,504	448,606
1980-----	50,041,515	374,153	1985-----	36,425,293	531,664
1981-----	49,804,528	333,748	1986-----	35,432,498	367,247
1982-----	40,830,961	632,962	1987-----	37,488,624	499,303

### FREIGHT TRAFFIC, 1987

#### (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	37,488,624	14,618,895	10,180,919	2,357,756	3,194,055	2,953,814	768,846	3,414,339
0101 COTTON, RAW-----	2,279	71	2,208	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	395	-----	395	-----	-----	-----	-----	-----
0103 CORN-----	1,360,944	-----	1,360,944	-----	20	-----	-----	-----
0105 RICE-----	4,394	4,190	131	23	-----	-----	-----	-----
0107 WHEAT-----	34,568	-----	34,568	-----	-----	-----	-----	-----
0111 SOYBEANS-----	352,550	-----	352,550	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	870	150	720	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	15,065	8,819	6,076	-----	170	-----	-----	-----
0122 HAY AND FODDER-----	11	-----	-----	11	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	5,644	2,236	2,856	83	469	-----	-----	-----
0131 FRESH FRUITS-----	7,180	428	6,446	247	59	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	162	162	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	4,401	2,367	1,659	375	-----	-----	-----	-----
0134 COCOA BEANS-----	1,408	1,323	85	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	10,475	6,052	929	1,267	2,227	-----	-----	-----
0151 LIVE ANIMALS-----	743	-----	12	-----	731	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	11,260	1,988	4,468	118	4,686	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	932	591	187	29	125	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	78,251	76,222	1,929	-----	100	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	9,764	7,347	732	1,641	44	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	11,819	6,541	1,943	3,328	7	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	1,267	949	82	222	14	-----	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	74,601	52	12	-----	74,537	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	6,697,958	6,672,935	-----	-----	-----	-----	25,023	-----
1051 ALUMINUM ORES, CONCENTRATES-----	372,654	372,311	343	-----	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	27,511	27,334	177	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	68,066	64,210	3,856	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	11,991,469	-----	6,550,569	2,622,728	990,225	143,286	1,080,661	-----
1411 LIMESTONE-----	1,760	-----	-----	1,760	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	1,262	-----	1,240	-----	22	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	29,148	20,152	4,218	-----	278	4,452	48	-----
1451 CLAY-----	280,125	273,733	6,185	-----	207	-----	-----	-----
1471 PHOSPHATE ROCK-----	286	1	285	-----	-----	-----	-----	-----
1491 SALT-----	281,974	269,131	12,251	-----	592	-----	-----	-----
1492 SULPHUR, DRY-----	4,400	-----	4,400	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	922,478	920,437	2,017	-----	24	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	230,051	224,625	5,426	-----	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	3,943	3,726	178	39	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	58,751	2,858	42,568	497	12,828	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	37,704	28,474	406	1,407	7,417	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	346	-----	346	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	3,256	104	3,126	26	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	5,379	795	179	87	4,318	-----	-----	-----
2022 DRIED MILK AND CREAM-----	8,559	-----	8,017	114	428	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	47,919	26,348	135	21,418	18	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	82,182	62,113	7,916	10,412	1,741	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	73,249	67,589	2,676	2,961	23	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	1,087	-----	212	-----	875	-----	-----	-----
2042 ANIMAL FEEDS-----	17,674	6,875	7,641	244	2,914	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	26,407	9,540	14,325	323	2,211	-----	-----	-----
2061 SUGAR-----	455,752	401,554	42	53,976	180	-----	-----	-----
2062 MOLASSES-----	75,693	75,558	-----	-----	135	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	173,861	162,417	6,316	4,495	633	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	13,888	10,937	2,178	118	655	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	932	932	-----	-----	-----	-----	-----	-----
2094 GROCERIES-----	1,072	-----	-----	926	146	-----	-----	-----
2095 ICE-----	17,098	17,098	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	92,187	40,014	24,179	14,563	13,431	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	11,308	857	9,664	285	502	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	32,403	17,936	13,577	427	463	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	2,809	2,717	-----	-----	92	-----	-----	-----
2311 APPAREL-----	8,163	4,871	1,367	1,743	182	-----	-----	-----
2411 LOGS-----	120,117	2,849	117,170	-----	98	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,658	3,075	352	-----	231	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	83	-----	83	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	650	650	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	256,161	112,829	143,217	2	113	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	29,823	17,369	12,447	7	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	26,225	11,172	14,310	99	644	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	54,590	43,938	6,001	1,653	2,998	-----	-----	-----

## BALTIMORE, MD, DISTRICT

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BALTIMORE HARBOR AND CHANNELS, MD.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2611 PULP-----	11,160	533	10,627	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	28,348	28,306	42	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	101,375	84,225	16,789	39	322	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	21,794	5,218	5,845	1,024	9,707	-----	-----	-----
2711 PRINTED MATTER-----	15,191	8,444	6,610	67	270	-----	-----	-----
2810 SODIUM HYDROXIDE-----	3,333	-----	-----	5,434	4	28,216	-----	5,680
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	85,737	11,883	73,734	-----	120	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	481	-----	472	9	-----	-----	-----	-----
2813 ALCOHOLS-----	17,145	15,742	772	25	606	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	937	392	545	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	6,226	-----	56	-----	2,490	3,680	-----	-----
2818 SULPHURIC ACID-----	259,484	-----	-----	15,547	178	62,130	-----	181,629
2819 BASIC CHEMICALS AND PROD, NEC-----	350,758	230,095	105,145	13,648	1,870	-----	-----	-----
2821 PLASTIC MATERIALS-----	122,563	27,584	89,607	1,678	5,694	-----	-----	-----
2822 SYNTHETIC RUBBER-----	36,058	585	35,246	64	163	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	8,034	2,361	5,663	10	-----	-----	-----	-----
2831 DRUGS-----	15,189	5,096	7,208	2,410	475	-----	-----	-----
2841 SOAP-----	37,107	6,239	12,712	3,018	15,138	-----	-----	-----
2851 PAINTS-----	62,742	56,986	5,098	27	631	-----	-----	-----
2861 GUM AND GUMM CHEMICALS-----	2,070	500	1,344	-----	226	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	171,585	141,399	140	15,734	-----	12,643	1,669	-----
2872 POTASSIC CHEM FERTILIZERS-----	86,948	85,770	1,178	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	19,843	-----	-----	3,500	-----	8,962	7,381	-----
2876 INSECTICIDES, DISINFECTANTS-----	15,008	968	13,636	358	46	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	25,252	5,642	1,330	5,459	129	12,692	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	64,220	19,717	42,240	619	1,644	-----	-----	-----
2911 GASOLINE-----	1,137,714	25,214	799	230,574	19,694	755,724	105,709	-----
2912 JET FUEL-----	7,111	-----	34	-----	-----	1,105	5,972	-----
2913 KEROSENE-----	96,398	-----	9	62,263	-----	33,085	1,041	-----
2914 DISTILLATE FUEL OIL-----	893,235	59,322	60	286,816	33,342	275,308	125,273	113,114
2915 RESIDUAL FUEL OIL-----	2,803,843	306,812	-----	560,938	13,456	404,424	98,403	1,419,810
2916 LUBRICATING OILS AND GREASES-----	52,231	17,530	15,002	7,391	1,924	5,653	-----	4,731
2917 NAPHTHA, PETROLEUM SOLVENTS-----	47,127	-----	74	42,566	289	4,198	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	1,056,895	277,159	2,742	506,351	17,509	233,295	19,839	-----
2920 COKE, PETROLEUM COKE-----	376,845	217,457	155,341	-----	-----	-----	4,007	-----
2921 LIQUEFIED GASES-----	1,085	237	156	-----	692	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	1,475	-----	461	-----	1,014	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	144,067	2,558	8,127	72,351	2,952	14,607	43,472	-----
3011 RUBBER AND MISC PLASTIC PROD-----	117,614	84,624	20,599	6,481	5,910	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	16,682	11,217	4,946	503	16	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	62,909	35,564	25,940	414	991	-----	-----	-----
3241 BUILDING CEMENT-----	988,120	352,310	432	236,930	286,686	-----	111,762	-----
3251 STRUCTURAL CLAY PRODUCTS-----	76,345	58,455	14,661	2,249	980	-----	-----	-----
3271 LIME-----	852	30	112	-----	710	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	48,876	47,012	152	1,683	29	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	111,245	96,388	12,509	765	1,583	-----	-----	-----
3311 PIG IRON-----	21	-----	21	-----	-----	-----	-----	-----
3312 SLAG-----	39,282	315	-----	-----	1	-----	38,966	-----
3314 IRON AND STEEL PRIMARY FORMS-----	36,443	33,406	2,891	124	22	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	300,618	238,270	3,893	1,472	3,323	25,819	27,841	-----
3316 IRON AND STEEL PLATES, SHEETS-----	106,563	2,336	102,679	-----	1,348	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	37,237	32,092	3,875	1,118	152	-----	-----	-----
3318 FERROALLOYS-----	132,234	125,534	2,072	849	-----	3,779	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	37,957	22,190	8,588	1,028	6,151	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	40,430	36,393	3,983	32	22	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	31,621	27,596	2,464	1,520	41	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	11,482	11,302	180	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	171,251	158,691	10,840	1,708	12	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	204,880	126,452	36,363	25,367	16,379	219	100	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	586,661	428,566	145,285	5,766	6,312	3	729	-----
3611 ELECTRICAL MACH AND EQUIP-----	131,439	65,020	57,004	4,192	5,223	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	793,346	708,545	79,453	3,417	1,931	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	3,227	76	3,124	9	-----	-----	18	-----
3731 SHIPS AND BOATS-----	7,614	4,722	2,860	24	8	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	10,370	4,295	5,316	-----	723	-----	36	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	10,817	4,666	5,240	395	516	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	79,412	42,375	4,456	21,859	10,722	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	26,643	48	22,093	-----	3,435	1,067	-----	-----
4012 NONFERROUS METAL SCRAP-----	131,826	103,532	27,505	400	389	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	16,246	-----	16,098	40	108	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	90,621	14	90,601	6	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	307	-----	-----	125	107	75	-----	-----
4111 WATER-----	9,560	-----	-----	-----	-----	-----	908	8,660
4112 COMMODITIES, NEC-----	142,056	13,325	21,242	78,194	27,429	-----	1,860	6
4119 EMPTY CONTAINERS-----	107	-----	-----	-----	107	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	11,871	-----	11,871	-----	-----	-----	-----	-----
TOTAL TON-MILES, 289,981,775.		-----	-----	-----	-----	-----	-----	-----

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.

SECTION INCLUDED: FROM MOUTH TO SPESUTIE NARROWS, MD. CONTROLLING DEPTH: 15.0 FEET FROM CHEBAPEAKE BAY TO SPESUTIE NARROWS, MD.  
 PROJECT DEPTH: 15 FEET BELOW HAVRE DE GRACE; 8 FEET ABOVE HAVRE DE GRACE. PROJECT LENGTH: 4 MILES. NAVIGATION SEASON: ENTIRE YEAR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	17,350	1983-----	345,142
1979-----	38,501	1984-----	404,240
1980-----	64,810	1985-----	574,695
1981-----	95,446	1986-----	707,047
1982-----	219,159	1987-----	718,722

## Waterborne Commerce of the United States, 1987

## SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.--CONTINUED

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL	
		SHIPMENTS	INBOUND	OUTBOUND
TOTAL-----	718,722	270	100	718,352
1442 SAND, GRAVEL, CRUSHED ROCK-----	718,352	-----	-----	718,352
3511 MACHINERY, EXCEPT ELECTRICAL-----	370	270	100	-----
TOTAL TON-MILES, 5,749,336.				

## CHOPTANK RIVER, MD.

SECTION INCLUDED: FROM MOUTH TO GREENSBORO, MD. CONTROLLING DEPTH: 6 FEET TO DENTON AND 3.5 FEET TO GREENSBORO. PROJECT DEPTH: 8 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	191,171	1,312	1983-----	229,667	2,630
1979-----	359,429	11,842	1984-----	316,975	881
1980-----	247,226	13,810	1985-----	340,458	1,163
1981-----	282,453	5,308	1986-----	371,899	380
1982-----	281,096	4,640	1987-----	367,268	626

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL				
		INBOUND	OUTBOUND	UPBOUND	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL-----	367,268	25,055	30,523	495	311,183	18
0911 FRESH FISH, EXCEPT SHELLFISH-----	45	-----	45	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	4,337	180	2,576	495	1,074	12
0931 MARINE SMELLS, UNMANUFACTURED-----	47,242	21,622	-----	-----	25,620	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	236,936	-----	-----	-----	236,936	-----
2414 TIMBER, POSTS, POLES, PILING-----	60	-----	60	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	3,153	3,153	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	5,209	-----	5,209	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	21,958	-----	21,958	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	47,553	-----	-----	-----	47,553	-----
3411 FABRICATED METAL PRODUCTS-----	420	100	320	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	30	-----	30	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	250	-----	250	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	75	-----	75	-----	-----	-----
TOTAL TON-MILES, 5,245,455.						

## NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DEL. AND MD.

SECTION INCLUDED: NANTICOKE RIVER FROM MOUTH TO SEAFORD, DEL., NORTHWEST FORK FROM MOUTH TO FEDERALSBURG, MD. CONTROLLING DEPTH: NANTICOKE RIVER, 11.5 FEET TO HAWKS NEST SHOALS; 12.0 FEET IN SEAFORD, DEL.; NORTHWEST FORK, 3 FEET. PROJECT DEPTH: NANTICOKE RIVER, 12 FEET TO SEAFORD, DEL., NORTHWEST FORK, 6 FEET TO 0.5 MILE BELOW FEDERALSBURG, MD.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	472,929	1983-----	218,461
1979-----	510,183	1984-----	301,991
1980-----	361,185	1985-----	201,143
1981-----	234,749	1986-----	289,280
1982-----	276,423	1987-----	353,111

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	UPBOUND
TOTAL-----	353,111	326,777	26,677	1,657
0102 BARLEY AND RYE-----	11,268	-----	11,268	-----
0107 WHEAT-----	1,515	-----	1,515	-----
0111 SOYBEANS-----	1,325	-----	1,325	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1	-----	-----	1
0912 SHELLFISH, EXCEPT PREPARED-----	1,067	36	-----	1,031

NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DEL. AND MD.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	UPBOUND
0931 MARINE SHELLS, UNMANUFACTURED-----	625	-----	-----	625
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,505	1,505	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	3,219	3,219	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	29,441	29,441	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	9,567	9,567	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	5,978	5,978	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	9,639	9,639	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	21,958	21,958	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	10,569	-----	10,569	-----
2911 GASOLINE-----	2,075	2,075	-----	-----
2914 DISTILLATE FUEL OIL-----	43,308	43,308	-----	-----
2915 RESIDUAL FUEL OIL-----	156,305	156,305	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	43,746	43,746	-----	-----
TOTAL TON-MILES, 11,818,403.				

NANTICOKE RIVER, MD., (EASTERN SHORE)

SECTION INCLUDED: FROM MOUTH TO SALISBURY, MD. CONTROLLING DEPTH: 12.0 FEET IN MAIN RIVER; BRANCH CHANNELS RANGE FROM 2 TO 10 FEET; 4.5 FEET TO 4ND IN BOAT BASIN AT WEBSTER COVE. PROJECT DEPTH: 14 FEET TO MAIN STREET BRIDGE AND IN PROYGB AT SALISBURY; 6 FEET TO AND IN SMALL BOAT BASIN AT WEBSTER COVE.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	947,885	1983-----	687,651
1979-----	878,249	1984-----	727,254
1980-----	993,074	1985-----	696,823
1981-----	678,251	1986-----	800,378
1982-----	709,105	1987-----	971,002

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND
TOTAL-----	971,002	3,192	166	962,093	4,260	1,291
0102 BARLEY AND RYE-----	2,838	-----	-----	-----	2,838	-----
0103 CORN-----	4,308	-----	-----	4,308	-----	-----
0107 WHEAT-----	5,581	-----	-----	4,292	1,289	-----
0111 SOYBEANS-----	5,521	-----	-----	5,521	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	299	-----	-----	-----	133	166
0931 MARINE SHELLS, UNMANUFACTURED-----	1,125	-----	-----	-----	-----	1,125
1442 SAND, GRAVEL, CRUSHED ROCK-----	279,479	-----	-----	279,479	-----	-----
2042 ANIMAL FEEDS-----	2,884	-----	-----	2,884	-----	-----
2911 GASOLINE-----	450,270	2,278	-----	447,992	-----	-----
2913 KEROSENE-----	10,580	-----	-----	10,580	-----	-----
2914 DISTILLATE FUEL OIL-----	112,965	-----	-----	112,965	-----	-----
2915 RESIDUAL FUEL OIL-----	94,986	914	-----	94,072	-----	-----
3731 SHIPS AND BOATS-----	166	-----	166	-----	-----	-----
TOTAL TON-MILES, 23,948,600.						

WASHINGTON HARBOR, D. C.

SECTION INCLUDED: ANACOSTIA RIVER, WASHINGTON CHANNEL AND VIRGINIA CHANNEL. CONTROLLING DEPTH: 17 FEET AT HAINES POINT, ANACOSTIA RIVER, 17.5 FEET FROM MOUTH TO 11TH STREET, BALANCE OF RIVER RANGES FROM 6 TO 16 FEET; WASHINGTON CHANNEL, 17 FEET FROM HAINES POINT TO 7TH STREET, 17 FEET TO 12TH STREET; VIRGINIA, 11.4 FEET FROM GIESBROD POINT TO KEY BRIDGE. PROJECT DEPTH: 24 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	1,371,884	-----	1983-----	523,907	298,918
1979-----	1,086,989	-----	1984-----	439,219	406,543
1980-----	857,951	100,317	1985-----	548,702	451,427
1981-----	722,656	351,938	1986-----	578,838	401,311
1982-----	628,558	332,268	1987-----	464,124	-----

\* PASSENGERS NONE REPORTED.

## Waterborne Commerce of the United States, 1987

WASHINGTON HARBOR, D. C.--CONTINUED

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		RECEIPTS	SHIPMENTS
TOTAL-----	464,124	463,892	232
2912 JET FUEL-----	136,144	136,144	-----
2914 DISTILLATE FUEL OIL-----	172,099	172,099	-----
2915 RESIDUAL FUEL OIL-----	150,836	150,836	-----
2918 ASPHALT, TAR, AND PITCHES-----	4,363	4,363	-----
3411 FABRICATED METAL PRODUCTS-----	80	80	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	400	370	30
3611 ELECTRICAL MACH AND EQUIP-----	2	-----	2
4011 IRON AND STEEL SCRAP-----	200	-----	200

ANACOSTIA RIVER, D.C. (INCLUDED IN WASHINGTON HARBOR, D.C.)

SECTION INCLUDED: MOUTH TO MAGRUDER BRIDGE, 6.6 MILES. CONTROLLING DEPTH: 17.5 FEET TO 11TH STREET BRIDGE, 2.1 MILES UPSTREAM OF MOUTH; BALANCE OF WATERWAY RANGES FROM 2 TO 16 FEET. PROJECT DEPTH: 24 FEET TO FOOT OF 15TH STREET S. E.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,367,187	1983-----	523,907
1979-----	1,086,989	1984-----	439,219
1980-----	857,951	1985-----	548,702
1981-----	722,656	1986-----	578,838
1982-----	628,558	1987-----	464,124

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		RECEIPTS	SHIPMENTS
TOTAL-----	464,124	463,892	232
2912 JET FUEL-----	136,144	136,144	-----
2914 DISTILLATE FUEL OIL-----	172,099	172,099	-----
2915 RESIDUAL FUEL OIL-----	150,836	150,836	-----
2918 ASPHALT, TAR, AND PITCHES-----	4,363	4,363	-----
3411 FABRICATED METAL PRODUCTS-----	80	80	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	400	370	30
3611 ELECTRICAL MACH AND EQUIP-----	2	-----	2
4011 IRON AND STEEL SCRAP-----	200	-----	200
TOTAL TON-MILES, 928,248.			

POTOMAC RIVER BELOW WASHINGTON, D. C.

SECTION INCLUDED: FROM MOUTH TO GIESBURG POINT AT WASHINGTON, D. C. 108 MILES. CONTROLLING DEPTH: KETTLE BOTTOM SHOAL 24 FEET; VANJEMOY BAR 21.7 FEET; MARYLAND PT. BAR 19.5 FEET; LIVERPOOL PT. 21.0 FEET; CHANNEL BETWEEN SANDY PT. AND QUANTICO 22.6 FEET; MATTANOMA BAR 19.8 FEET; MARSHALL HALL BAR 22.3 FEET; HUNTING CREEK SHOAL 19.4 FEET; PROJECT DEPTH: 24 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	5,427,858	-----	1983-----	2,605,389	121,653
1979-----	5,204,930	-----	1984-----	3,406,232	133,731
1980-----	4,292,350	71,579	1985-----	3,838,268	331,030
1981-----	2,894,103	270,470	1986-----	3,667,183	389,252
1982-----	2,418,191	254,390	1987-----	3,215,308	-----

\* PASSENGERS NONE REPORTED.

FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	644,148	417,582	843	186,199	39,524
2081 ALCOHOLIC BEVERAGES-----	40	40	-----	-----	-----
2431 VENEER, PLYWOOD, BORED WOOD-----	86	86	-----	-----	-----
2621 STANDARD WEIGHING PAPER-----	166,414	166,328	86	-----	-----
2631 PAPER AND PAPERBOARD-----	4,584	4,093	491	-----	-----

## BALTIMORE, MD, DISTRICT

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POTOMAC RIVER BELOW WASHINGTON, D. C.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
2821 PLASTIC MATERIALS-----	12	-----	12	-----	-----
2911 GASOLINE-----	15,644	15,644	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	317,857	122,541	-----	179,812	15,504
2915 RESIDUAL FUEL OIL-----	126,116	108,628	-----	-----	17,488
2918 ASPHALT, TAR, AND PITCHES-----	12,919	-----	-----	6,387	6,532
3111 LEATHER AND LEATHER PRODUCTS-----	1	1	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	113	113	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	108	108	-----	-----	-----
4112 COMMODITIES, NEC-----	254	-----	254	-----	-----
TON-MILES, OCEANGOING,	41,429,979.				

INTERNAL  
(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		JPBOUND	THROUGH	
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND		UPBOUND	DOWNBOUND
TOTAL-----	2,571,160	890,294	232	395,918	271,344	39,826	921,894	51,652
0107 WHEAT-----	6,344	-----	-----	-----	1,188	-----	-----	5,156
0911 FRESH FISH, EXCEPT SHELLFISH-----	649	226	-----	-----	-----	-----	48	375
0912 SHELLFISH, EXCEPT PREPARED-----	9,444	4,852	-----	1	1,424	-----	1,328	1,839
0913 MENHADEN-----	270	-----	-----	-----	270	-----	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	22,935	7,500	-----	-----	2,750	-----	8,077	4,608
1442 SAND, GRAVEL, CRUSHED ROCK-----	907,203	-----	-----	-----	23,063	-----	844,466	39,674
2911 GASOLINE-----	15,422	-----	-----	-----	15,422	-----	-----	-----
2912 JET FUEL-----	350,137	93,141	-----	136,144	120,852	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	341,169	60,053	-----	144,645	80,698	28,319	27,454	-----
2915 RESIDUAL FUEL OIL-----	733,161	545,141	-----	110,465	25,677	11,507	40,371	-----
2918 ASPHALT, TAR, AND PITCHES-----	183,414	179,051	-----	4,363	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	280	200	-----	80	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	530	130	30	220	-----	-----	150	-----
3611 ELECTRICAL MACH AND EQUIP-----	2	-----	2	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	200	-----	200	-----	-----	-----	-----	-----
TON-MILES, INTERNAL,	158,356,698.							

TONS, ALL TRAFFIC, 3,215,308.  
TON-MILES, ALL TRAFFIC, 199,786,677.

## BRETON BAY, MD.

SECTION INCLUDED: FROM MOUTH TO LEONARDTOWN 6.25 MILES. CONTROLLING DEPTH: 9 FEET. PROJECT DEPTH: 10 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	501	1983-----	566,459
1979-----	-----	1984-----	805,184
1980-----	53	1985-----	1,014,876
1981-----	24	1986-----	819,596
1982-----	49,427	1987-----	884,317

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		OUTBOUND	UPBOUND
TOTAL-----	884,317	884,140	177
0911 FRESH FISH, EXCEPT SHELLFISH-----	88	-----	88
0912 SHELLFISH, EXCEPT PREPARED-----	85	-----	85
0913 MENHADEN-----	4	-----	4
1442 SAND, GRAVEL, CRUSHED ROCK-----	884,140	884,140	-----
TOTAL TON-MILES,	5,305,532.		

*Waterborne Commerce of the United States, 1987*

OCCOQUAN CREEK, VA.

SECTION INCLUDED: FROM POTOMAC RIVER TO OCCOQUAN CREEK 6 MILES. 6 FEET DEEP AND 150 FEET WIDE FROM POTOMAC RIVER TO TAYLOR'S POINT AND THENCE 100 FEET WIDE TO END OF PROJECT. CONTROLLING DEPTH: 6 FEET, PROJECT DEPTH: 6 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	-----	1983-----	564,262
1979-----	-----	1984-----	794,977
1980-----	-----	1985-----	999,564
1981-----	-----	1986-----	816,698
1982-----	49,427	1987-----	844,466

## FREIGHT TRAFFIC, 1987

## DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL
	INBOUND
1982 SAND, GRAVEL, CRUSHED ROCK-----	844,466
TOTAL TON-MILES, 5,066,796.	

## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
ANNAPOLIS HARBOR, MD.				270,500
AQUIA CREEK, VA.	NO COMMERCE REPORTED			
BACK CREEK, ANNE ARUNDEL COUNTY, MD.	NO COMMERCE REPORTED			
BETTERTON HARBOR, MD.	NO COMMERCE REPORTED			
BLACK WALNUT HARBOR, MD.	NO COMMERCE REPORTED			
BONUM CREEK, VA.	0912 SHELLFISH, EXCEPT PREPARED	206		
BRANSONS COVE, VA.	0911 FRESH FISH, EXCEPT SHELLFISH	1		
	0912 SHELLFISH, EXCEPT PREPARED	653		
	0931 MARINE SHELLS, UNMANUFACTURED	1,300		
	TOTAL	1,954	1,954	
BROAD CREEK RIVER, DEL.	NO COMMERCE REPORTED			
BROAD CREEK, SUMMERSET COUNTY, MD.	0912 SHELLFISH, EXCEPT PREPARED	7		
	0931 MARINE SHELLS, UNMANUFACTURED	17,062		
	TOTAL	17,069	34,138	
BROADWATER CREEK, MD.	NO COMMERCE REPORTED			
CADLE CREEK, MD.	NO COMMERCE REPORTED			
CAMBRIDGE HARBOR, MD.	0911 FRESH FISH, EXCEPT SHELLFISH	45		
	0912 SHELLFISH, EXCEPT PREPARED	5,985		
	1442 SAND, GRAVEL, CRUSHED ROCK	73,732		
	TOTAL	79,762	79,762	478
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD.	NO COMMERCE REPORTED			
CHESTER RIVER, MD.	0911 FRESH FISH, EXCEPT SHELLFISH	15		
	0912 SHELLFISH, EXCEPT PREPARED	1,177		
	2914 DISTILLATE FUEL OIL	5,451		
	3312 SLAG	38,966		
	TOTAL	45,609	384,832	
CLAIBORNE HARBOR, MD.	0912 SHELLFISH, EXCEPT PREPARED	418		
	0931 MARINE SHELLS, UNMANUFACTURED	230		
	TOTAL	648	648	
COAN RIVER, VA.	0912 SHELLFISH, EXCEPT PREPARED	1,424		
	0913 MENHADEN	270		
	0931 MARINE SHELLS, UNMANUFACTURED	2,500		
	TOTAL	4,194	8,436	
CORSICA RIVER, MD.	NO COMMERCE REPORTED			
CRISFIELD HARBOR, MD.	0911 FRESH FISH, EXCEPT SHELLFISH	7		
	0912 SHELLFISH, EXCEPT PREPARED	13,331		
	0913 MENHADEN	1		
	4112 COMMODITIES, NEC	300		
	TOTAL	13,639	59,884	5,749
CUCKOLD CREEK, MD.	NO COMMERCE REPORTED			
DUCK POINT COVE, MD.	0911 FRESH FISH, EXCEPT SHELLFISH	1		
	0912 SHELLFISH, EXCEPT PREPARED	2,636		
	0913 MENHADEN	114		
	TOTAL	2,751	2,751	
ELK AND LITTLE ELK RIVERS, MD.	NO COMMERCE REPORTED			
FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD.	0911 FRESH FISH, EXCEPT SHELLFISH	6		
	0912 SHELLFISH, EXCEPT PREPARED	5,539		
	0931 MARINE SHELLS, UNMANUFACTURED	3,749		
	TOTAL	9,294	50,478	
FISHING CREEK, CALVERT COUNTY, MD.	NO COMMERCE REPORTED			
GOOSE CREEK, SUMMERSET COUNTY, MD.	NO COMMERCE REPORTED			
HERRING BAY AND ROCKHOLD CREEK, MD.	NO COMMERCE REPORTED			
HERRING CREEK, MD.	NO COMMERCE REPORTED			
HONGA RIVER AND TAN BAY, MD.	0911 FRESH FISH, EXCEPT SHELLFISH	22		
	0912 SHELLFISH, EXCEPT PREPARED	9,588		
	0913 MENHADEN	118		
	0931 MARINE SHELLS, UNMANUFACTURED	22,328		
	2915 RESIDUAL FUEL OIL	1,672		
	TOTAL	33,728	85,695	
ISLAND CREEK, MD.	NO COMMERCE REPORTED			



HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
KNAPPS HARBOR, MD.	0912 SHELLFISH, EXCEPT PREPARED----- 0931 MARINE SHELLS, UNMANUFACTURED----- TOTAL-----	2 4,990 4,992		
LITTLE CREEK, JULEN AMES COUNTY, MD.	0912 SHELLFISH, EXCEPT PREPARED----- 0931 MARINE SHELLS, UNMANUFACTURED----- TOTAL-----	418 230 648	9,980	
LITTLE NICHOLSON RIVER, VA.				19,072
LOWER MACHODDIE CREEK, VA.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- 0931 MARINE SHELLS, UNMANUFACTURED----- TOTAL-----	377 2,514 5,820 9,713	19,693	
LOWER THOROUGHFARE AT OR NEAR NEWONA, DEAL ISLAND, MD.	0912 SHELLFISH, EXCEPT PREPARED-----	300	20	
LOWES WHARF, TALBOT COUNTY, MD.	NO COMMERCE REPORTED			
MANOKIN RIVER, MD.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- TOTAL-----	3 741 744	2,997	
MIDDLE RIVER AND DARK HEAD CREEK, MD.	1402 SAND, GRAVEL, CRUSHED ROCK----- 4111 WATER----- TOTAL-----	3,998 160 4,158	4,158	
MILL CREEK, MD.	NO COMMERCE REPORTED			
MONTROSE BAY AND CREEK, VA.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- TOTAL-----	1 806 807	807	
MUDDY HOOK AND TYLER COVES, MD.	NO COMMERCE REPORTED			
VAN COVE, MD.	NO COMMERCE REPORTED			
NANTICOKE RIVER AT BIVALVE, MD.	NO COMMERCE REPORTED			
NANTICOKE RIVER AT NANTICOKE, MD.	0912 SHELLFISH, EXCEPT PREPARED----- 0931 MARINE SHELLS, UNMANUFACTURED----- TOTAL-----	1,030 625 1,655		
NEALE SOUND, MD.	0912 SHELLFISH, EXCEPT PREPARED----- 0931 MARINE SHELLS, UNMANUFACTURED----- TOTAL-----	1,080 350 1,430	1,430	
NOMINI BAY AND CREEK, VA.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- 0931 MARINE SHELLS, UNMANUFACTURED----- TOTAL-----	375 1,831 4,608 6,814	6,814	
NORTHEAST RIVER, MD.	NO COMMERCE REPORTED			
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD.	0911 FRESH FISH, EXCEPT SHELLFISH----- 0912 SHELLFISH, EXCEPT PREPARED----- TOTAL-----	711 24,161 24,872	201,955	4,800
PARISH CREEK, MD.	NO COMMERCE REPORTED			
PATUXENT RIVER, MD.	0931 MARINE SHELLS, UNMANUFACTURED----- 2911 GASOLINE----- 2912 JET FUEL----- 2913 KEROSENE----- 2914 DISTILLATE FUEL OIL----- 2915 RESIDUAL FUEL OIL----- TOTAL-----	30,304 29,412 47,878 426 7,171 17,477 132,268	651,528	
POCOMORE RIVER, MD.	0912 SHELLFISH, EXCEPT PREPARED----- 2411 LOGS----- 2416 WOOD CHIPS, STAVES, MOLDINGS----- 2914 DISTILLATE FUEL OIL----- TOTAL-----	17 11,389 181,060 6,154 198,620	3,264,059	
POTOMAC RIVER AT ALEXANDRIA, VA.	0107 WHEAT----- 1402 SAND, GRAVEL, CRUSHED ROCK----- 2001 ALCOHOLIC BEVERAGES----- 2431 VENET, PLYWOOD, WORKED WOOD----- 2621 STANDARD NEWSPRINT PAPER----- 2631 PAPER AND PAPERBOARD----- 2621 PLASTIC MATERIALS----- 3111 LEATHER AND LEATHER PRODUCTS----- 3321 NONFERROUS METALS, NEC----- 3511 MACHINERY, EXCEPT ELECTRICAL----- 4112 COMMODITIES, NEC----- TOTAL-----	1,188 23,063 40 86 164,414 4,584 12 1 113 108 254 195,863		

## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
POTOMAC RIVER AT LUMER CEDAR POINT, MD,-----	NO COMMERCE REPORTED			
POTOMAC RIVER AT MT. VERNON, VA,-----	NO COMMERCE REPORTED			
POTOMAC RIVER, VIRGINIA CHANNEL, D. C. (INCLUDED IN WASHINGTON HARBOR, D. C.)-----	NO COMMERCE REPORTED			
POTOMAC RIVER, WASHINGTON CHANNEL, D. C. (INCLUDED IN REPORT FOR WASHINGTON HARBOR, D. C.)-----	NO COMMERCE REPORTED			
QUEENSTOWN HARBOR, MD,-----	NO COMMERCE REPORTED			
RHODES POINT TO TYLENTON, SOMERSET COUNTY, MD,-----	NO COMMERCE REPORTED			
ROCK HALL HARBOR, MD,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	34		
	0912 SHELLFISH, EXCEPT PREPARED-----	1,563		
	0931 MARINE SHELLS, UNMANUFACTURED-----	2		
	0931 MARINE SHELLS, UNMANUFACTURED-----	402		
	TOTAL-----	2,003	2,003	
SLAUGHTER CREEK, MD,-----	0931 MARINE SHELLS, UNMANUFACTURED-----	1,407	4,221	
SMITH CREEK, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	8	8	
ST. CATHERINES SOUND, MD,-----	NO COMMERCE REPORTED			
ST. JEROME CREEK, MD,-----	NO COMMERCE REPORTED			
ST. MICHAELS HARBOR, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	3	3	21,298
ST. PATRICKS CREEK, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	295		
	0931 MARINE SHELLS, UNMANUFACTURED-----	250		
	TOTAL-----	545	545	
ST. PETERS CREEK, MD,-----	NO COMMERCE REPORTED			
TILGHMAN ISLAND HARBOR, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	302	302	
TOWN CREEK, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	517	517	192
TRED AVON RIVER, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	1,071		
	0931 MARINE SHELLS, UNMANUFACTURED-----	4,964		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	163,204		
	2914 DISTILLATE FUEL OIL-----	47,553		
	TOTAL-----	216,792	2,124,733	90,026
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,383		
	0931 MARINE SHELLS, UNMANUFACTURED-----	9,916		
	2911 GASOLINE-----	111		
	2913 KEROSENE-----	88		
	2914 DISTILLATE FUEL OIL-----	486		
	9112 COMMODITIES, NEC-----	300		
	TOTAL-----	13,286	27,172	5,749
TYASKIN CREEK, MD,-----	NO COMMERCE REPORTED			
UPPER MACHODOC CREEK, VA,-----	NO COMMERCE REPORTED			
UPPER THOROUGHFARE, DEAL ISLAND, MD,-----	0912 SHELLFISH, EXCEPT PREPARED-----	897		
	0931 MARINE SHELLS, UNMANUFACTURED-----	12,292		
	TOTAL-----	13,189	13,189	
WARRICK RIVER, MD,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	250		
	0912 SHELLFISH, EXCEPT PREPARED-----	300		
	TOTAL-----	590	1,180	
WATERWAY FROM LITTLE CHOPTANK RIVER TO CHOPTANK RIVER, MD,--	0912 SHELLFISH, EXCEPT PREPARED-----	510		

# Waterborne Commerce of the United States, 1987

## NORFOLK, VA, DISTRICT

### NORFOLK HARBOR, VA.

SECTION INCLUDED: FROM 55-FOOT CONTOUR IN HAMPTON ROADS TO NORFOLK & WESTERN (FORMERLY VIRGINIA) RAILWAY BRIDGE CROSSING SOUTHERN BRANCH OF ELIZABETH RIVER, 14.78 MILES; THENCE UPSTREAM IN SOUTHERN BRANCH, 4.61 MILES. IN EASTERN BRANCH, 2.54 MILES UPSTREAM FROM THE MOUTH OF THAT BRANCH; IN WESTERN BRANCH, 1.78 MILES UPSTREAM FROM THE MOUTH OF THAT BRANCH; AND 0.73 MILES IN SCOTTS CREEK, CONTROLLING DEPTH: FROM THE 55 FOOT CONTOUR IN HAMPTON ROADS TO LAMBERT POINT, OUTBOUND HALF 45.0 FEET, INBOUND HALF, 45.0 FEET; LAMBERT POINT TO NORFOLK & WESTERN (FORMERLY VIRGINIA) RAILWAY BRIDGE CROSSING SOUTHERN BRANCH, 39.3 FEET; BRANCH CHANNELS RANGE FROM 5.0 TO 35.0 FEET. PROJECT DEPTH: FROM THE 55 FOOT CONTOUR IN HAMPTON ROADS TO LAMBERT POINT, 55 FEET; FROM LAMBERT POINT TO THE NORFOLK & WESTERN (FORMERLY VIRGINIA) RAILWAY BRIDGE CROSSING SOUTHERN BRANCH, 45 FEET; BRANCH CHANNELS RANGE FROM 12 TO 40 FEET. ANCHORAGES: TWO ANCHORAGES OPPOSITE SEHELLS POINT, 45 FEET DEEP OVER A SWINGING RADIUS OF 1,200 FEET, THE WEST ANCHORAGE MAINTAINED TO 40 FEET DEEP. ANCHORAGE AREA ON THE WEST SIDE OF THE 45-FOOT CHANNEL OPPOSITE LAMBERTS POINT TOTALLING 173 ACRES CONSISTING OF 1-1500 S.F. AREA 36 FT. DEEP; 1-1500 S.F. AREA 35 FT. DEEP; 1-3000 FT. BY 1000 FT. AREA 20 FEET, AND A 45 ACRE AREA 12 FT. DEEP AT PINNERS POINT.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	34,018,870	53,042	463,593	1983-----	42,967,830	320	457,706
1979-----	48,650,778	45,837	502,524	1984-----	44,897,403	2,406	419,154
1980-----	54,217,591	44,745	459,623	1985-----	47,180,824	200,946	356,031
1981-----	52,897,674	84,861	543,924	1986-----	44,069,234	172,410	311,331
1982-----	55,294,916	60,600	416,859	1987-----	39,993,313	80,494	141,331

NOTE: PASSENGER TOTALS ABOVE INCLUDE FERRY PASSENGERS.

### FREIGHT TRAFFIC, 1987

#### (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	39,993,313	4,735,904	25,254,212	1,086,971	1,968,310	3,879,550	2,304,158	764,208
0101 COTTON, RAW-----	231		9	222				
0102 BARLEY AND RYE-----	82,973			68,867				
0103 CORN-----	651,214			648,769		14,106		
0105 RICE-----	361	68		293		6,445		
0106 SORGHUM GRAINS-----	60			60				
0107 WHEAT-----	427,844			373,581		54,263		
0111 SOYBEANS-----	338,723			299,966		34,890		5,867
0119 OILSEEDS, NEC-----	49,168	100		49,068				
0121 TOBACCO, LEAF-----	172,416	39,416	132,637	363				
0129 FIELD CROPS, NEC-----	10,621	2,066	8,555					
0131 FRESH FRUITS-----	4,775	190	4,539	46				
0132 BANANAS AND PLANTAINS-----	41	41						
0133 COFFEE-----	5,127	5,082		45				
0134 COCOA BEANS-----	108,315	108,193	122					
0141 FRESH AND FROZEN VEGETABLES-----	4,312	2,661	1,181	470				
0161 ANIMALS AND PRODUCTS, NEC-----	17,099	8,957	8,142					
0191 MISCELLANEOUS FARM PRODUCTS-----	3,822	2,760	224	838				
0841 CRUDE RUBBER AND ALLIED GUMS-----	236,960	235,760	1,200					
0861 FOREST PRODUCTS, NEC-----	9,208	7,003	588	1,617				
0911 FRESH FISH, EXCEPT SHELLFISH-----	11,108	10,811	205	92				
0912 SHELLFISH, EXCEPT PREPARED-----	3,377	3,005	282				90	
0931 MARINE SHELLS, UNMANUFACTURED-----	91	36	55					
1051 ALUMINUM ORES, CONCENTRATES-----	31,921	313,745	176					
1061 MANGANESE ORES, CONCENTRATES-----	24		24					
1091 NONFERROUS ORES, CONCENT, NEC-----	2,429	1,165	1,264					
1121 COAL AND LIGNITE-----	24,075,893	386	21,619,943		1,821,293		634,271	
1311 CRUDE PETROLEUM-----	113,595	73,713		15,320	24,562			
1411 LIMESTONE-----	50		50					
1412 BUILDING STONE, UNWORKED-----	141		141					
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,472,968	790	1,800		2,470,378			
1451 CLAY-----	89,255	85,564	3,358	333				
1471 PHOSPHATE ROCK-----	65		65					
1491 SALT-----	144,272	144,046	226					
1492 SULPHUR, DRY-----	5,105		5,105					
1494 GYPSUM, CRUDE AND PLASTERS-----	254,582	253,667	915					
1499 NONMETALLIC MINERALS, NEC-----	126,970	111,613	12,138				3,219	
1911 ORDNANCE AND ACCESSORIES-----	2,886	2,693	120	73				
2011 MEAT, FRESH, CHILLED, FROZEN-----	40,594	11,044	29,528	22				
2012 MEAT AND PRODUCTS, NEC-----	1,442	1,161	262	19				
2014 TALLOW, ANIMAL FATS AND OILS-----	12,483		12,483					
2015 ANIMAL BY-PRODUCTS, NEC-----	10,656	650	10,006					
2021 DAIRY PRODUCTS, NEC-----	1,996	867	1,129					
2022 DRIED MILK AND CREAM-----	4,401	249	4,119	13				
2031 FISH AND SHELLFISH, PREPARED-----	25,043	10,898	579	13,566				
2034 VEGETABLES AND PREP, NEC-----	51,749	49,281	1,624	144				
2039 PREP FRUIT AND VEG JUICE, NEC-----	44,666	41,770	2,551	345				
2041 WHEAT FLOUR AND SEMOLINA-----	1,365		1,365					
2042 ANIMAL FEEDS-----	9,586	2,285	7,301					
2049 GRAIN MILL PRODUCTS, NEC-----	340,558	9,264	331,051	243				
2061 SUGAR-----	95		95					
2062 MOLASSES-----	4		4					
2081 ALCOHOLIC BEVERAGES-----	148,203	104,730	18,000	25,463	10			
2091 VEGETABLE OILS, MARG, SHORT-----	92,567	3,409	89,049	109				
2092 ANIMAL OILS AND FATS, NEC-----	16,175		16,175					
2095 ICE-----	9,843	9,843						
2099 MISCELLANEOUS FOOD PRODUCTS-----	53,261	39,466	12,014	1,781				
2111 TOBACCO MANUFACTURES-----	69,358	1,453	66,827	889	189			
2211 BASIC TEXTILE PRODUCTS-----	129,009	37,626	90,228	325			830	
2212 TEXTILE FIBERS, NEC-----	5,011	4,712	36	263				
2311 APPAREL-----	6,312	4,808	1,408	96				
2411 LOGS-----	86,469	26	86,443					

NORFOLK HARBOR, VA.--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2413 FUEL WOOD, CHARCOAL, WASTES-----	6,041	5,592	449	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	80	-----	20	-----	-----	60	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	218	218	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	155,859	45,030	110,888	141	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	145,886	138,742	7,144	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	22,211	9,862	11,983	366	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	46,303	42,203	2,584	1,516	-----	-----	-----	-----
2611 PULP-----	101,087	243	100,844	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	7,870	7,838	32	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	165,299	78,639	85,210	-----	-----	-----	1,450	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	19,282	2,825	7,948	8,509	-----	-----	-----	-----
2711 PRINTED MATTER-----	6,274	1,819	4,452	3	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	12,717	-----	-----	11,398	-----	1,319	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	13,356	13,226	130	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	455	-----	455	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	60,829	57,052	1,937	1,840	-----	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	2,643	2,378	465	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	19	-----	19	-----	-----	24,900	-----	-----
2818 SULPHURIC ACID-----	24,900	-----	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	284,135	76,877	78,109	129,149	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	116,273	24,237	91,735	301	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	19,466	487	18,461	120	-----	-----	400	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	49,414	3,105	46,309	-----	-----	-----	-----	-----
2831 DRUGS-----	18,608	15,893	2,915	-----	-----	-----	-----	-----
2841 SOAP-----	8,975	3,511	5,450	14	-----	-----	-----	-----
2851 PAINTS-----	18,121	15,199	2,815	107	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	2,023	255	1,756	12	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	621,703	103,356	132,981	23,979	10,580	326,918	23,889	-----
2872 POTASSIC CHEM FERTILIZERS-----	125,179	122,497	35	-----	-----	-----	2,647	-----
2876 INSECTICIDES, DISINFECTANTS-----	11,910	613	11,297	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	5,711	914	4,797	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	43,424	26,452	16,682	290	-----	-----	-----	-----
2911 GASOLINE-----	551,276	2,893	565	6,346	5,708	304,324	231,440	-----
2912 JET FUEL-----	326,042	-----	-----	-----	4,335	61,145	209,415	51,147
2913 KEROSENE-----	25,279	-----	-----	10,717	-----	9,457	2,427	2,678
2914 DISTILLATE FUEL OIL-----	890,329	-----	223	85,271	50,768	131,664	385,163	237,280
2915 RESIDUAL FUEL OIL-----	2,597,386	612,404	-----	454,903	48,082	275,170	770,703	440,124
2916 LUBRICATING OILS AND GREASES-----	46,157	540	4,299	38,900	-----	-----	775	3,643
2917 NAPHTHA, PETROLEUM SOLVENTS-----	128	1	127	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	215,361	97,761	1,347	66,013	6,338	34,902	4,000	-----
2920 COKE, PETROLEUM COKE-----	20,866	-----	20,866	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	60,580	56,072	4,508	-----	-----	-----	-----	-----
2951 ASPHALT BITUMING MATERIALS-----	810	-----	810	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	4,391	2,371	1,776	242	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	60,979	45,372	12,812	2,795	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	7,716	6,343	1,112	261	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	35,453	7,630	25,863	960	-----	-----	-----	-----
3241 BUILDING CEMENT-----	670,564	472,002	146	86,654	-----	111,762	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	32,297	22,063	10,217	17	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	25,938	25,647	247	44	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	19,992	12,908	6,881	203	-----	-----	-----	-----
3311 PIG IRON-----	34,378	27,662	6,716	-----	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	726	190	27	509	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, END SHEET-----	27,860	22,038	1,583	4,239	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	21,276	-----	21,278	-----	4,239	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	7,620	6,353	628	439	-----	-----	-----	-----
3318 FERROALLOYS-----	1,387	787	300	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	12,504	11,151	1,353	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	11,633	7,897	3,741	5	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	21,089	16,177	2,494	2,418	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,002	502	500	-----	-----	-----	-----	-----
3324 ALUMINIUM AND ALLOYS, UNWORKED-----	10,652	4,678	5,749	225	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	150,473	115,773	22,229	9,897	38	238	1,698	600
3511 MACHINERY, EXCEPT ELECTRICAL-----	441,667	288,505	106,806	44,142	251	110	1,653	200
3611 ELECTRICAL MACH AND EQUIP-----	64,816	32,445	27,714	1,126	-----	24	1,309	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	524,983	261,046	49,302	8,235	-----	6,400	-----	-----
3721 AIRCRAFT AND PARTS-----	795	42	734	-----	-----	15	4	-----
3731 SHIPS AND BOATS-----	7,073	1,960	4,813	300	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	3,602	2,172	1,305	-----	-----	125	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6,093	2,830	3,462	243	-----	-----	158	-----
3911 MISC MANUFACTURED PRODUCTS-----	16,379	11,266	2,816	2,291	6	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	54,875	-----	32,438	-----	-----	-----	22,437	-----
4012 NONFERROUS METAL SCRAP-----	25,224	1,176	24,046	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEAP-----	9,620	185	9,312	123	-----	-----	-----	-----
4023 PAPER WASTE AND SCRAP-----	45,769	-----	45,762	7	-----	-----	-----	-----
4111 WATER-----	27,399	-----	-----	-----	-----	190	2,500	24,709
4112 COMMODITIES, NEC-----	49,645	8,703	12,141	19,226	150	5,745	3,680	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	3,102	-----	3,102	-----	-----	-----	-----	-----
TOTAL TON-WEIGHT-----	577,278,104	-----	-----	-----	-----	-----	-----	-----

## HAMPTON ROADS, VA.

SECTION INCLUDES: NORFOLK HARBOR, PORT OF NEWPORT NEWS (INCLUDING NEWPORT NEWS CREEK), HAMPTON CREEK, AND CHANNEL FROM PHOEBUS TO DEEP-WATER IN HAMPTON ROADS, VA.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	41,025,451	117,530	2,317,476	1983-----	56,688,791	320	2,469,326
1979-----	59,990,945	122,471	2,538,728	1984-----	60,649,172	2,880	2,785,989
1980-----	74,832,060	141,431	2,598,043	1985-----	66,619,498	200,946	2,845,962
1981-----	71,196,902	84,706	2,192,669	1986-----	62,738,062	176,930	3,313,600
1982-----	76,161,555	64,522	1,931,570	1987-----	59,491,077	80,494	3,473,795

## HAMPTON ROADS:

HAMPTON CREEK, VA.-----	565,537
NORFOLK HARBOR, VA.-----	39,993,313
PORT OF NEWPORT NEWS, VA.-----	19,264,649
CHANNEL FROM PHOEBUS TO DEEP WATER IN HAMPTON ROADS, VA.-----	
TOTAL GROSS, UNADJUSTED-----	59,823,499
NET VOLUME AFTER ELIMINATING DUPLICATION WITHIN THE AREA OF HAMPTON ROADS, VA.-----	59,491,077

## FREIGHT TRAFFIC, 1987

## (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	COASTWISE			INTERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
TOTAL-----	59,491,077	5,752,462	40,976,294	1,591,624	2,222,979	4,709,917	3,119,118	1,118,683
0101 COTTON, RAW-----	231	9	222					
0102 BARLEY AND RYE-----	82,973		68,867			14,106		
0103 CORN-----	651,214		644,769			6,445		
0105 RICE-----	361	68	293					
0106 SORGHUM GRAINS-----	60		60					
0107 WHEAT-----	427,844		373,581			54,263		
0111 SOYBEANS-----	338,723		297,966			34,890		3,867
0119 OILSEEDS, NEC-----	49,168	100	49,068					
0121 TOBACCO, LEAF-----	174,855	41,380	133,112	363				
0129 FIELD CROPS, NEC-----	10,906	2,351	8,555					
0131 FRESH FRUITS-----	4,775	190	4,539	46				
0132 BANANAS AND PLANTAINS-----	41	41						
0133 COFFEE-----	5,766	5,721		45				
0134 COCOA BEANS-----	108,315	108,193	122					
0141 FRESH AND FROZEN VEGETABLES-----	4,312	2,661	1,181	470				
0161 ANIMALS AND PRODUCTS, NEC-----	17,130	8,988	8,142					
0191 MISCELLANEOUS FARM PRODUCTS-----	3,840	2,778	224	838				
0841 CRUDE RUBBER AND ALLIED GUMS-----	375,855	374,390	1,465					
0861 FOREST PRODUCTS, NEC-----	10,166	7,961	588	1,617				
0911 FRESH FISH, EXCEPT SHELLFISH-----	11,108	10,811	205	92				
0912 SHELLFISH, EXCEPT PREPARED-----	3,955	3,005	282			398	108	162
0931 MARINE SHELLS, UNMANUFACTURED-----	91	56	55					
1051 ALUMINUM DRES, CONCENTRATES-----	313,921	313,745	176					
1061 MANGANESE DRES, CONCENTRATES-----	24		24					
1091 NONFERROUS DRES, CONCENT, NEC-----	2,438	1,165	1,273					
1121 COAL AND LIGNITE-----	40,805,290	386	37,109,895		2,075,862		1,619,147	
1311 CRUDE PETROLEUM-----	527,821	487,939		15,320	24,562			
1411 LIMESTONE-----	50		50					
1412 BUILDING STONE, UNWORKED-----	141		141					
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,181,821	790	1,830			3,179,231		
1451 CLAY-----	89,255	85,564	3,358	333				
1471 PHOSPHATE ROCK-----	65		65					
1491 SALT-----	144,272	144,046	226					
1492 SULPHUR, DRY-----	5,105		5,105					
1494 GYPSUM, CRUDE AND PLASTERS-----	254,582	253,667	915					
1499 NONMETALLIC MINERALS, NEC-----	127,253	111,858	12,176				3,219	
1911 ORNAMENT AND ACCESSORIES-----	2,986	2,693	120	75				
2011 MEAT, FRESH, CHILLED, FROZEN-----	40,628	11,044	29,562	22				
2012 MEAT AND PRODUCTS, NEC-----	1,444	1,161	264	19				
2014 TALLOW, ANIMAL FATS AND OILS-----	12,483		12,483					
2015 ANIMAL BY-PRODUCTS, NEC-----	10,688	682	10,006					
2021 DAIRY PRODUCTS, NEC-----	1,996	867	1,129					
2022 DRIED MILK AND CREAM-----	5,067	269	4,785	13				
2031 FISH AND SHELLFISH, PREPARED-----	25,043	10,878	579	13,566				
2034 VEGETABLES AND PREP, NEC-----	51,377	49,519	1,714	144				
2039 PREP FRUIT AND VEG JUICE, NEC-----	44,779	41,883	2,551	345				
2041 WHEAT FLOUR AND SEMOLINA-----	1,365		1,365					
2042 ANIMAL FEEDS-----	9,586	2,285	7,301					
2049 GRAIN MILL PRODUCTS, NEC-----	341,011	9,268	331,500	243				
2061 SUGAR-----	95		95					
2062 MOLASSES-----	4		4					
2081 ALCOHOLIC BEVERAGES-----	148,327	104,792	18,062	25,483	10			
2091 VEGETABLE OILS, MARG, SHORT-----	92,590	3,432	87,049	109				
2092 ANIMAL OILS AND FATS, NEC-----	16,175		16,175					
2095 ICE-----	9,843	9,843						
2099 MISCELLANEOUS FOOD PRODUCTS-----	54,413	39,495	13,137	1,781				
2111 TOBACCO MANUFACTURES-----	71,551	1,453	69,020	889	189			
2211 BASIC TEXTILE PRODUCTS-----	132,536	40,184	91,197	325			830	
2212 TEXTILE FIBERS, NEC-----	5,288	4,989	36	263				
2311 APPAREL-----	6,459	5,337	1,426	76				
2411 LOGS-----	98,831	12,388	86,443					

## NORFOLK, VA, DISTRICT

39

HAMPTON HARBOR, VA.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL			
						RECEIPTS	SHIPMENTS		
2413 FUEL OIL, CHARCOAL, WASTES-----	6,041	5,592	449	-----	-----	-----	-----	-----	
2414 TINDER, PULPS, PILES, PILING-----	145	65	20	-----	-----	60	-----	-----	
2416 WOOD CHIPS, STAVES, MULCHINGS-----	218	218	-----	-----	-----	-----	-----	-----	
2421 LUMBER-----	200,108	97,911	112,056	141	-----	-----	-----	-----	
2431 VENEER, PLYWOOD, WORKED WOOD-----	145,926	138,782	7,144	-----	-----	-----	-----	-----	
2491 WOOD MANUFACTURES, NEC-----	22,405	10,055	11,984	366	-----	-----	-----	-----	
2511 FURNITURE AND FIXTURES-----	46,581	42,345	2,720	1,510	-----	-----	-----	-----	
2611 PULP-----	101,372	243	101,129	-----	-----	-----	-----	-----	
2621 STANDARD NEWSPRINT PAPER-----	10,005	9,973	32	-----	-----	-----	-----	-----	
2631 PAPER AND PAPERBOARD-----	196,218	78,659	116,109	-----	-----	-----	1,450	-----	
2691 PULP AND PAPER PRODUCTS, NEC-----	19,366	2,837	9,020	8,504	-----	-----	-----	-----	
2711 PRINTED MATTER-----	6,327	1,834	4,490	3	-----	-----	-----	-----	
2810 SODIUM HYDROXIDE-----	12,717	-----	-----	11,398	-----	-----	1,319	-----	
2811 CRUDE TAR, JIL, GAS PRODUCTS-----	13,397	13,267	130	-----	-----	-----	-----	-----	
2812 DYES, PIGMENT, TANNING MATS-----	455	-----	455	-----	-----	-----	-----	-----	
2813 ALCOHOLS-----	60,663	57,052	1,971	1,840	-----	-----	-----	-----	
2816 RADIOACTIVE MATERIALS, WASTES-----	2,643	2,378	465	-----	-----	-----	-----	-----	
2817 BENZENE AND TOLUENE-----	19	-----	19	-----	-----	-----	-----	-----	
2818 SULPHURIC ACID-----	24,900	-----	-----	-----	-----	24,900	-----	-----	
2819 BASIC CHEMICALS AND PROD, NEC-----	284,932	76,904	78,879	129,149	-----	-----	-----	-----	
2821 PLASTIC MATERIALS-----	117,559	24,376	92,862	301	-----	-----	-----	-----	
2822 SYNTHETIC RUBBER-----	19,625	551	18,554	120	-----	-----	400	-----	
2823 SYNTHETIC (MA-MADE) FIBERS-----	50,199	3,105	47,094	-----	-----	-----	-----	-----	
2831 DRUGS-----	18,970	15,893	3,077	-----	-----	-----	-----	-----	
2841 SOAP-----	9,046	3,511	5,521	14	-----	-----	-----	-----	
2851 PAINTS-----	18,268	15,343	2,818	107	-----	-----	-----	-----	
2861 GUM AND WOOD CHEMICALS-----	2,065	255	1,798	12	-----	-----	-----	-----	
2871 NITROGENOUS CHEM FERTILIZERS-----	621,703	103,356	132,981	23,979	10,580	326,918	23,589	-----	
2872 POTASSIC CHEM FERTILIZERS-----	125,179	122,497	35	-----	-----	-----	2,647	-----	
2876 INSECTICIDES, DISINFECTANTS-----	12,040	613	11,427	-----	-----	-----	-----	-----	
2879 FERTILIZER AND MATERIALS, NEC-----	5,711	914	4,797	-----	-----	-----	-----	-----	
2891 MISCELLANEOUS CHEMICAL PROD-----	43,033	26,386	16,757	290	-----	-----	-----	-----	
2911 GASOLINE-----	551,276	2,893	565	6,346	5,708	304,324	231,440	-----	
2912 JET FUEL-----	326,042	-----	-----	-----	4,335	61,145	207,709	52,853	
2913 KEROSENE-----	25,279	-----	-----	10,717	-----	9,457	1,225	3,880	
2914 DISTILLATE FUEL OIL-----	918,209	-----	223	85,271	50,768	152,871	302,502	326,474	
2915 RESIDUAL FUEL OIL-----	3,351,323	612,406	-----	955,607	44,082	354,058	689,649	696,521	
2916 LUBRICATING OILS AND GREASES-----	46,278	537	4,373	38,900	-----	-----	191	4,227	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	128	1	127	-----	-----	-----	-----	-----	
2918 ASPHALT, TAR, AND BITUMENS-----	329,494	184,618	1,347	69,262	6,338	60,652	7,277	-----	
2920 COKE, PETROLEUM COKE-----	188,647	-----	188,647	-----	-----	-----	-----	-----	
2921 LIQUEFIED GASES-----	6,580	56,072	4,508	-----	-----	-----	-----	-----	
2951 ASPHALT BUILDING MATERIALS-----	810	-----	810	-----	-----	-----	-----	-----	
2991 PETROLEUM AND COAL PROD, NEC-----	4,391	2,371	1,778	242	-----	-----	-----	-----	
3011 RUBBER AND MISC PLASTIC PROD-----	61,359	45,383	13,181	2,745	-----	-----	-----	-----	
3111 LEATHER AND LEATHER PRODUCTS-----	7,718	6,345	1,112	261	-----	-----	-----	-----	
3211 GLASS AND GLASS PRODUCTS-----	36,531	9,703	25,868	460	-----	-----	-----	-----	
3241 BUILDING CEMENT-----	670,576	472,002	158	86,654	-----	111,762	-----	-----	
3251 STRUCTURAL CLAY PRODUCTS-----	32,574	22,084	10,473	17	-----	-----	-----	-----	
3281 CUT STONE AND STONE PRODUCTS-----	25,971	25,680	247	44	-----	-----	-----	-----	
3291 MISC NONMETALLIC MINERAL PROD-----	20,226	12,947	7,076	203	-----	-----	-----	-----	
3311 PIG IRON-----	34,378	27,662	6,716	-----	-----	-----	-----	-----	
3314 IRON AND STEEL PRIMARY FORMS-----	101,053	100,517	27	509	-----	-----	-----	-----	
3315 IRON, STEEL SHAPES, EXC SHEET-----	222,385	216,563	1,583	4,239	-----	-----	-----	-----	
3316 IRON AND STEEL PLATES, SHEETS-----	21,403	-----	21,403	-----	-----	-----	-----	-----	
3317 IRON AND STEEL PIPE AND TUBE-----	9,469	6,859	1,171	439	-----	-----	-----	-----	
3318 FERROALLOYS-----	1,087	787	300	-----	-----	-----	-----	-----	
3319 IRON AND STEEL PRODUCTS, NEC-----	13,071	11,171	1,900	-----	-----	-----	-----	-----	
3321 NONFERROUS METALS, NEC-----	11,889	7,887	3,997	5	-----	-----	-----	-----	
3322 COPPER ALLOYS, UNWORKED-----	22,292	17,332	2,542	2,414	-----	-----	-----	-----	
3323 LEAD AND ZINC, UNWORKED-----	1,002	502	500	-----	-----	-----	-----	-----	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	10,921	4,946	5,750	225	-----	-----	-----	-----	
3411 FABRICATED METAL PRODUCTS-----	160,110	123,494	24,145	9,897	38	238	148	2,150	
3511 MACHINERY, EXCEPT ELECTRICAL-----	452,903	228,927	117,425	44,142	351	205	453	1,400	
3611 ELECTRICAL MACH AND EQUIP-----	66,931	32,672	31,250	1,576	-----	124	27	1,282	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	332,345	260,142	51,568	8,235	-----	6,400	-----	-----	
3721 AIRCRAFT AND PARTS-----	808	54	735	-----	-----	15	4	-----	
3731 SHIPS AND BOATS-----	7,210	2,006	4,818	300	-----	-----	86	-----	
3791 MISC TRANSPORTATION EQUIPMENT-----	4,423	2,172	1,800	250	-----	201	-----	-----	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6,786	2,832	3,553	243	-----	-----	-----	158	
3911 MISC MANUFACTURED PRODUCTS-----	16,400	11,279	2,824	2,291	6	-----	-----	-----	
4011 IRON AND STEEL SCRAP-----	54,875	-----	32,436	-----	-----	-----	22,437	-----	
4012 NONFERROUS METAL SCRAP-----	25,264	1,218	24,046	-----	-----	-----	-----	-----	
4022 TEXTILE WASTE, SCRAP, SWEEP-----	9,697	185	7,387	123	-----	-----	-----	-----	
4023 PAPER WASTE AND SCRAP-----	45,976	-----	45,963	7	-----	-----	-----	-----	
4111 WATER-----	27,399	-----	-----	-----	-----	190	1,500	25,709	
4112 COMMODITIES, NEC-----	49,743	8,703	12,239	19,226	150	5,745	3,680	-----	
9999 DEPARTMENT OF DEFENSE AND SCI-----	5,423	-----	5,423	-----	-----	-----	-----	-----	

## CHANNEL TO NEWPORT NEWS, VA.

SECTION INCLUDED: BETWEEN THE 55-FOOT DEPTH CONTOURS ON EACH SIDE OF MIDDLE GROUND SHOAL IN HAMPTON ROADS, VA., 5.4 MILES. CONTROLLING DEPTH: OUTBOUND HALF OF CHANNEL, 45.0 FEET AT MEAN LOW WATER; INBOUND HALF OF CHANNEL, 45.0 FEET AT MEAN LOW WATER. PROJECT LENGTH: 5.4 MILES, MAINTAINED TO 45 FEET DEEP, ALSO INCLUDES TWO DEEP DRAFT ANCHORAGE BERTHS OPPOSITE NEWPORT NEWS 45 DEEP OVER A 1,200 FOOT SHALING RADII, MAINTAINED TO 40 FEET DEEP.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	12,423,026	1983-----	19,140,398
1979-----	17,089,036	1984-----	21,962,167
1980-----	26,180,356	1985-----	25,174,861
1981-----	22,668,364	1986-----	25,707,643
1982-----	25,061,210	1987-----	25,944,209

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		THROUGH		COASTWISE		INTERNAL	
		EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
TOTAL-----	25,944,209	16,243,120	1,301,895	582,157	794,159	6,107,220	915,658
0103 CORN-----	292	292					
1119 DILSEEDS, NEC-----	68	51	17				
0121 TOBACCO, LEAF-----	70,931	4,657	66,274				
0129 FIELD CROPS, NEC-----	285		285				
0131 FRESH FRUITS-----	36		36				
0133 COFFEE-----	986		986				
0134 COCOA BEANS-----	560		560				
0151 LIVE ANIMALS-----	5,450	5,450					
0161 ANIMALS AND PRODUCTS, NEC-----	61		61				
0191 MISCELLANEOUS FARM PRODUCTS-----	103	85	18				
0841 CRUDE RUBBER AND ALLIED GUMS-----	143,532	265	143,267				
0861 FOREST PRODUCTS, NEC-----	1,095	56	1,039				
0912 SHELLFISH, EXCEPT PREPARED-----	581					167	414
0931 MARINE SHELLS, UNMANUFACTURED-----	17,066						17,066
1051 ALUMINUM DRES, CONCENTRATES-----	108	52	56				
1091 NONFERROUS DRES, CONCENT, NEC-----	9	9					
1121 COAL AND LIGNITE-----	16,730,554	15,491,109		254,569		984,876	
1311 CRUDE PETROLEUM-----	414,226		414,226				
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,036,815	82				4,036,733	
1451 CLAY-----	43,148		43,148				
1499 NONMETALLIC MINERALS, NEC-----	2,561	2,315	246				
2011 MEAT, FRESH, CHILLED, FROZEN-----	63	63					
2012 MEAT AND PRODUCTS, NEC-----	2	2					
2015 ANIMAL BY-PRODUCTS, NEC-----	314	282	32				
2021 DAIRY PRODUCTS, NEC-----	2		2				
2022 DRIED MILK AND CREAM-----	666	666					
2034 VEGETABLES AND PREP, NEC-----	908	90	818				
2039 PREP FRUIT AND VEG JUICE, NEC-----	466		466				
2042 ANIMAL FEEDS-----	22	22					
2049 GRAIN MILL PRODUCTS, NEC-----	575	464	111				
2081 ALCOHOLIC BEVERAGES-----	8,651	177	8,474				
2091 VEGETABLE OILS, MARG, SHORT-----	35	7	28				
2092 ANIMAL OILS AND FATS, NEC-----	22		22				
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,956	1,592	364				
2111 TOBACCO MANUFACTURES-----	34,170	33,522	648				
2211 BASIC TEXTILE PRODUCTS-----	23,944	17,640	6,104				
2212 TEXTILE FIBERS, NEC-----	15,476		15,476				
2311 APPAREL-----	1,097	439	658				
2411 LUGGS-----	12,932	570	12,362				
2414 TILDER, POSTS, POLES, PILING-----	65		65				
2421 LUMBER-----	71,980	1,368	70,612				
2431 VEVEER, PLYWOOD, WORKED WOOD-----	1,393	66	1,325				
2491 WOOD MANUFACTURES, NEC-----	648	443	205				
2511 FURNITURE AND FIXTURES-----	782	185	597				
2611 PULP-----	3,942	3,942					
2621 STANDARD WEASPRINT PAPER-----	3,513		3,513				
2631 PAPER AND PAPERBOARD-----	47,327	30,930	16,397				
2691 PULP AND PAPER PRODUCTS, NEC-----	287	186	101				
2711 PRINTED MATTER-----	89	50	39				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	837		837				
2812 DYES, PIGMENT, TANNING MATS-----	843	843					
2813 ALCOHOLS-----	910	779	131				
2816 SULPHURIC ACID-----	25,830			7,070			18,760
2819 BASIC CHEMICALS AND PROD, NEC-----	352,090	16,276	62,300			32,594	230,918
2821 PLASTIC MATERIALS-----	25,557	18,060	4,497				
2822 SYNTHETIC RUBBER-----	5,740	5,610	130				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2,432	2,432					
2831 DRUGS-----	942	941	1				
2841 SOAP-----	901	360	541				
2851 PAINTS-----	2,068	29	2,039				
2861 GUM AND WOOD CHEMICALS-----	42	42					
2871 NITROGENOUS CHEM FERTILIZERS-----	824,652	353,059		124,944		343,787	2,862
2872 POTASSIC CHEM FERTILIZERS-----	3,596	265				3,331	
2873 PHOSPHATIC CHEM FERTILIZERS-----	2,002				2,002		
2876 INSECTICIDES, DISINFECTANTS-----	2,806	2,785	21				
2891 MISCELLANEOUS CHEMICAL PROD-----	3,275	2,324	951				
2911 GASOLINE-----	416,733				51,352	343,039	22,342
2912 JET FUEL-----	201,740			186,576			15,164
2913 KEROSENE-----	12,793			1,116		11,677	
2914 DISTILLATE FUEL OIL-----	174,159	72		8,054		83,629	82,404
2915 RESIDUAL FUEL OIL-----	1,195,973			6,798	501,703	253,109	437,363
2916 LUBRICATING OILS AND GREASES-----	1,402	771	47				584
2918 ASPHALT, TAR, AND PITCHES-----	359,692		86,857		231,332	3,277	38,226
2920 COKE, PETROLEUM COKE-----	167,781	167,781					

## CHANNEL TO NEWPORT NEWS, VA.--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		THROUGH		COASTWISE		INTERNAL	
		EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
2921 LIQUEFIED GASES-----	25		25				
2991 PETROLEUM AND COAL PROD, NEC-----	35,167		20				35,147
3011 RUBBER AND MISC PLASTIC PROD-----	3,651	2,777	874				
3111 LEATHER AND LEATHER PRODUCTS-----	255	1	254				
3211 GLASS AND GLASS PRODUCTS-----	4,520	304	4,216				
3241 BUILDING CEMENT-----	12	12					
3251 STRUCTURAL CLAY PRODUCTS-----	9,518	9,497	21				
3281 CUT STONE AND STONE PRODUCTS-----	137		137				
3291 MISC NONMETALLIC MINERAL PROD-----	456	224	232				
3314 IRON AND STEEL PRIMARY FORMS-----	100,327		100,327				
3315 IRON, STEEL SHAPES, EXC SHEET-----	194,613		194,613				
3316 IRON AND STEEL PLATES, SHEETS-----	323	323					
3317 IRON AND STEEL PIPE AND TUBE-----	894	388	506				
3318 FERROALLOYS-----	132	132					
3319 IRON AND STEEL PRODUCTS, NEC-----	651	593	58				
3321 NONFERROUS METALS, NEC-----	286		286				
3322 COPPER ALLOYS, UNWORKED-----	4,126	199	3,927				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	3,031	13	3,018				
3411 FABRICATED METAL PRODUCTS-----	15,531	2,887	10,980				1,664
3511 MACHINERY, EXCEPT ELECTRICAL-----	16,595	11,854	3,346	100			1,295
3611 ELECTRICAL MACH AND EQUIP-----	5,038	2,350	851		450		1,387
3711 MOTOR VEHICLES, PARTS, EQUIP-----	14,290	2,581	5,309			6,400	
3721 AIRCRAFT AND PARTS-----	37	7	12				18
3731 SHIPS AND BOATS-----	147	15	46			86	
3791 MISC TRANSPORTATION EQUIPMENT-----	830	504			250		76
3811 INSTR, TIME, PHOTO, OPT GOODS-----	868	569	141				158
3911 MISC MANUFACTURED PRODUCTS-----	789	40	749				
4011 IRON AND STEEL SCRAP-----	31,772	31,772					
4012 NONFERROUS METAL SCRAP-----	676	636	40				
4022 TEXTILE WASTE, SCRAP, SWEEP-----	77	77					
4024 PAPER WASTE AND SCRAP-----	439	439					
4111 WATER-----	1,000						1,000
4112 COMMODITIES, NEC-----	6,802	274	1,203			4,515	810
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,604	2,604					
TOTAL TON-MILES, 129,698,973.							

PORT OF NEWPORT NEWS, VA.  
(INCLUDING NEWPORT NEWS CREEK, VA.)

SECTION INCLUDED: LOWER EAST SHORE OF JAMES RIVER FROM MOUTH TO 1.8 MILES, AND PORTION OF NORTH SHORE OF HAMPTON ROADS COVERING APPROXIMATELY 15,000 LINEAR FEET OF WATERFRONT AT NEWPORT NEWS AND NEWPORT NEWS CREEK.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	7,255,936	64,488	1983-----	13,517,510	
1979-----	11,508,735	76,688	1984-----	15,552,908	
1980-----	20,820,941	96,788	1985-----	19,168,548	
1981-----	18,429,942	80,000	1986-----	18,531,414	
1982-----	20,911,877		1987-----	19,264,649	

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	19,264,649	1,016,558	15,722,082	504,653	254,669	597,424	1,147,282	21,981
0121 TOBACCO, LEAF-----	2,439	1,964	475					
0129 FIELD CROPS, NEC-----	285	285						
0133 COFFEE-----	639	639						
0161 ANIMALS AND PRODUCTS, NEC-----	31	31						
0191 MISCELLANEOUS FARM PRODUCTS-----	18	18						
0841 CRUDE RUBBER AND ALLIED GUMS-----	138,895	138,630	265					
0861 FOREST PRODUCTS, NEC-----	958	958						
0912 SHELLFISH, EXCEPT PREPARED-----	301					293	8	
1091 NONFERROUS ORES, CONCENT, NEC-----	9		9					
1121 COAL AND LIGNITE-----	16,729,397		15,489,952		254,569		984,876	
1311 CRUDE PETROLEUM-----	414,226	414,226						
1442 SAND, GRAVEL, CRUSHED ROCK-----	166,362					166,362		
1499 NONMETALLIC MINERALS, NEC-----	243	245	38					
2011 MEAT, FRESH, CHILLED, FROZEN-----	34		34					
2012 MEAT AND PRODUCTS, NEC-----	2		2					
2015 ANIMAL BY-PRODUCTS, NEC-----	32	32						
2022 DRIED MILK AND CREAM-----	666		666					
2034 VEGETABLES AND PREP, NEC-----	328	238	90					
2039 PREP FRUIT AND VEG JUICE, NEC-----	113	113						
2049 GRAIN MILL PRODUCTS, NEC-----	453	4	449					
2081 ALCOHOLIC BEVERAGES-----	124	62	62					
2091 VEGETABLE OILS, MARG, SHORT-----	23	23						
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,152	29	1,123					
2111 TOBACCO MANUFACTURES-----	2,193		2,193					
2211 BASIC TEXTILE PRODUCTS-----	3,521	2,558	963					



PORT OF NEWPORT NEWS, VA.  
(INCLUDING NEWPORT NEWS CREEK, VA.)--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2212 TEXTILE FIBERS, NEC-----	277	277	-----	-----	-----	-----	-----	-----
2311 APPAREL-----	547	529	18	-----	-----	-----	-----	-----
2411 LOGS-----	12,362	12,362	-----	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	65	65	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	44,249	42,881	1,368	-----	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	40	40	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	194	193	1	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	276	142	136	-----	-----	-----	-----	-----
2611 PULP-----	285	-----	285	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	2,135	2,135	-----	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	30,919	20	30,899	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	84	12	72	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	53	15	36	-----	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	41	41	-----	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	34	-----	34	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	797	27	770	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	1,286	159	1,127	-----	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	157	64	93	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	785	-----	785	-----	-----	-----	-----	-----
2831 DRUGS-----	162	-----	162	-----	-----	-----	-----	-----
2841 SOAP-----	71	-----	71	-----	-----	-----	-----	-----
2851 PAINTS-----	147	144	3	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	42	-----	42	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	130	-----	130	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	269	134	75	-----	-----	-----	-----	-----
2912 JET FUEL-----	1,706	-----	-----	-----	-----	1,706	-----	-----
2914 DISTILLATE FUEL OIL-----	94,796	-----	-----	-----	-----	88,123	5,832	841
2915 RESIDUAL FUEL OIL-----	989,192	-----	-----	500,704	-----	314,145	153,203	21,140
2916 LUBRICATING OILS AND GREASES-----	705	47	74	-----	-----	584	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	114,133	86,857	-----	3,249	-----	20,750	3,277	-----
2920 COKE, PETROLEUM COKE-----	167,781	-----	167,781	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	360	11	369	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	2	2	-----	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	78	73	5	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	12	-----	12	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	277	21	256	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	33	33	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	234	39	195	-----	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	100,327	100,327	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	194,525	194,525	-----	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	125	-----	125	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	849	506	343	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	567	20	547	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	256	-----	256	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,203	1,155	48	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	269	268	1	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	11,187	7,721	1,916	-----	-----	1,550	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	12,436	422	10,619	-----	100	1,295	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	3,395	27	1,536	450	-----	1,382	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	7,362	5,096	2,266	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	13	12	1	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	137	46	5	-----	-----	-----	86	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	821	-----	495	250	-----	76	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	251	2	91	-----	-----	158	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	21	13	8	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	40	40	-----	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	77	-----	77	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	201	-----	201	-----	-----	-----	-----	-----
4111 WATER-----	1,000	-----	-----	-----	-----	1,000	-----	-----
4112 COMMODITIES, NEC-----	98	-----	98	-----	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,321	-----	2,321	-----	-----	-----	-----	-----

## JAMES RIVER, VA. (CONSOLIDATED REPORT)

SECTION INCLUDED: FROM MOUTH TO RICHMOND, VA., 90.8 MILES. CONTROLLING DEPTH: FROM THE MOUTH TO DEEPWATER TERMINAL (4.7 MILES BELOW RICHMOND), 24.6 FEET, THENCE TO A POINT 700 FEET DOWNSTREAM FROM LOCK, 18.0 FEET. PROJECT DEPTH: FROM THE MOUTH TO DEEPWATER TERMINAL (4.7 MILES BELOW RICHMOND), 35 FEET, MAINTAINED TO 25 FEET, THENCE 18 FEET TO THE RICHMOND LOCK. ALL AT MEAN LOW WATER. PROJECT LENGTH: 90.8 MILES. TERMINALS WITH A TURNING BASIN 35 FEET DEEP, MAINTAINED TO 25 FEET, 825 FT WIDE, AND 2,770 FT LONG.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS	YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC AUTOMOBILES ACCOMPANYING PASSENGERS
1978-----	7,819,573	767,723	389,712	1983-----	8,023,110	1,045,202	501,499
1979-----	7,918,482	842,267	341,522	1984-----	9,173,947	1,252,314	492,143
1980-----	7,853,114	915,413	365,579	1985-----	9,010,704	1,335,644	534,237
1981-----	8,342,269	965,161	386,053	1986-----	10,733,540	1,366,142	561,725
1982-----	8,070,485	946,914	394,757	1987-----	10,040,646	1,453,432	581,950

NOTE: PASSENGER TOTALS ABOVE INCLUDE FERRY PASSENGERS.

## JAMES RIVER, VA. (CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH UPBOUND
TOTAL-----	1,423,369	285,337	521,038	287,504	327,488	2,002
0103 CORN-----	292		292			
0119 OILSEEDS, NEC-----	68	17	51			
0121 TOBACCO, LEAF-----	68,492	64,310	4,182			
0131 FRESH FRUITS-----	36	36				
0133 COFFEE-----	347	347				
0134 COCOA BEANS-----	560	560				
0151 LIVE ANIMALS-----	5,450		5,450			
0161 ANIMALS AND PRODUCTS, NEC-----	30	30				
0191 MISCELLANEOUS FARM PRODUCTS-----	85		85			
0841 CRUDE RUBBER AND ALLIED GUMS-----	4,637	4,637				
0861 FOREST PRODUCTS, NEC-----	137	81	56			
1051 ALUMINUM DRES, CONCENTRATES-----	108	56	52			
1121 COAL AND LIGNITE-----	1,157		1,157			
1442 SAND, GRAVEL, CRUSHED ROCK-----	82		82			
1451 CLAY-----	43,148	43,148				
1499 NONMETALLIC MINERALS, NEC-----	2,278	1	2,277			
2011 MEAT, FRESH, CHILLED, FROZEN-----	29		29			
2015 ANIMAL BY-PRODUCTS, NEC-----	282		282			
2021 DAIRY PRODUCTS, NEC-----	2	2				
2034 VEGETABLES AND PREP, NEC-----	580	580				
2039 PREP FRUIT AND VEG JUICE, NEC-----	353	353				
2042 ANIMAL FEEDS-----	22		22			
2049 GRAIN MILL PRODUCTS, NEC-----	122	107	15			
2081 ALCOHOLIC BEVERAGES-----	8,527	8,412	115			
2091 VEGETABLE OILS, MARG, SHORT-----	12	5	7			
2092 ANIMAL OILS AND FATS, NEC-----	22		22			
2099 MISCELLANEOUS FOOD PRODUCTS-----	404	335	469			
2111 TOBACCO MANUFACTURES-----	31,977	648	31,329			
2211 BASIC TEXTILE PRODUCTS-----	20,417	3,546	16,871			
2212 TEXTILE FIBERS, NEC-----	15,199	15,199				
2311 APPAREL-----	550	129	421			
2411 LOGS-----	570		570			
2421 LUMBER-----	27,731	27,731				
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,353	1,285	68			
2491 WOOD MANUFACTURES, NEC-----	454	12	442			
2511 FURNITURE AND FIXTURES-----	504	455	49			
2611 PULP-----	3,657		3,657			
2621 STANDARD NEWSPRINT PAPER-----	1,378	1,378				
2631 PAPER AND PAPERBOARD-----	16,408	16,377	31			
2691 PULP AND PAPER PRODUCTS, NEC-----	203	89	114			
2711 PRINTED MATTER-----	36	24	12			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	796	796				
2812 DYES, PIGMENT, TANNING MATS-----	843		843			
2813 ALCOHOLS-----	876	131	745			
2818 SULPHURIC ACID-----	7,070		7,070			
2819 BASIC CHEMICALS AND PROD, NEC-----	79,781	62,273	17,508			
2821 PLASTIC MATERIALS-----	25,271	8,338	16,933			
2822 SYNTHETIC RUBBER-----	5,583	66	5,517			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,647		1,647			
2831 DRUGS-----	780	1	779			
2841 SOAP-----	830	541	289			
2851 PAINTS-----	1,921	1,895	26			
2871 NITROGENOUS CHEM FERTILIZERS-----	478,003		353,059		124,944	
2872 POTASSIC CHEM FERTILIZERS-----	265		265			
2873 PHOSPHATIC CHEM FERTILIZERS-----	2,602					2,002
2876 INSECTICIDES, DISINFECTANTS-----	2,676	21	2,655			
2891 MISCELLANEOUS CHEMICAL PROD-----	3,066	817	2,249			
2911 GASOLINE-----	51,352		51,352			
2912 JET FUEL-----	186,576				186,576	
2913 KEROSENE-----	1,116				1,116	
2914 DISTILLATE FUEL OIL-----	8,126		72		8,054	
2915 RESIDUAL FUEL OIL-----	7,797			999	6,798	
2916 LUBRICATING OILS AND GREASES-----	697		697			
2918 ASPHALT, TAN, AND PITCHES-----	228,083			228,083		
2921 LIQUEFIED GASES-----	25	25				
2991 PETROLEUM AND COAL PROD, NEC-----	20	20				
3011 RUBBER AND MISC PLASTIC PROD-----	3,271	863	2,408			
3111 LEATHER AND LEATHER PRODUCTS-----	253	252	1			
3211 GLASS AND GLASS PRODUCTS-----	4,442	4,143	299			
3251 STRUCTURAL CLAY PRODUCTS-----	9,241		9,241			
3281 CUT STONE AND STONE PRODUCTS-----	104	104				
3291 MISC NONMETALLIC MINERAL PROD-----	222	193	29			
3315 IRON, STEEL SHAPES, EXC SHEET-----	85	85				
3316 IRON AND STEEL PLATES, SHEETS-----	198		198			
3317 IRON AND STEEL PIPE AND TUBE-----	45		45			
3318 FERRITALLOYS-----	132		132			
3319 IRON AND STEEL PRODUCTS, NEC-----	64	38	46			
3321 NONFERROUS METALS, NEC-----	30		30			
3322 COPPER ALLOYS, UNWORKED-----	2,923	2,772	151			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,762	2,750	12			
3411 FABRICATED METAL PRODUCTS-----	2,230	3,259	971			
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,159	2,924	1,235			
3611 ELECTRICAL MACH AND EQUIP-----	1,638	824	814			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	528	213	315			
3721 AIRCRAFT AND PARTS-----	6		6			
3731 SHIPS AND BOATS-----	10		10			
3791 MISC TRANSPORTATION EQUIPMENT-----	9		9			
3811 INSTR, TIME, PHOTO, OPT SOLOS-----	617	139	478			
3911 MISC MANUFACTURED PRODUCTS-----	768	736	32			
4011 IRON AND STEEL SCRAP-----	31,772		31,772			

## Waterborne Commerce of the United States, 1987

JAMES RIVER, VA. (CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH UPBOUND
4012 NONFERROUS METAL SCRAP-----	636	-----	636	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	238	-----	238	-----	-----	-----
4112 COMMODITIES, NEC-----	1,379	1,203	176	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	283	-----	283	-----	-----	-----
TON-MILES, OCEANGOING, 114,877,391.						

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH	
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	8,617,277	1,917,140	280	40	5,210,829	914,291	523,208	49,317	172
0911 FRESH FISH, EXCEPT SHELLFISH----	72	-----	-----	-----	72	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	1,512	320	280	40	540	-----	-----	159	172
0931 MARINE SHELLS, UNMANUFACTURED----	17,066	17,066	-----	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,043,721	1,407,281	-----	-----	4,203,095	914,290	523,055	-----	-----
2818 SULPHURIC ACID-----	18,760	11,050	-----	-----	-----	-----	-----	7,710	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	271,512	238,918	-----	-----	32,594	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	346,649	-----	-----	-----	343,787	-----	-----	2,862	-----
2872 POTASSIC CHEM FERTILIZERS-----	3,331	-----	-----	-----	3,331	-----	-----	-----	-----
2911 GASOLINE-----	365,381	22,342	-----	-----	343,039	-----	-----	-----	-----
2912 JET FUEL-----	13,458	13,458	-----	-----	-----	-----	-----	-----	-----
2913 KEROSENE-----	11,677	-----	-----	-----	11,677	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	83,902	-----	-----	-----	83,877	-----	-----	25	-----
2915 RESIDUAL FUEL OIL-----	375,751	157,135	-----	-----	177,902	-----	2,153	38,561	-----
2918 ASPHALT, TAR, AND BITUMENS-----	17,476	17,476	-----	-----	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	35,147	35,147	-----	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	114	114	-----	-----	-----	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	5	5	-----	-----	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,400	-----	-----	-----	6,400	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	18	18	-----	-----	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	5,325	810	-----	-----	4,515	-----	-----	-----	-----
TON-MILES, INTERNAL, 497,722,690.									
TONS, ALL TRAFFIC, 10,040,646.									
TON-MILES, ALL TRAFFIC, 612,600,071.									

PORT OF RICHMOND, VA.  
(INCLUDED IN JAMES RIVER, VA., CONSOLIDATED REPORT)

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,678,925	235,157	162,253	279,435	202,544	1,149,461	630,075
0103 CORN-----	292	-----	292	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	68	17	51	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	68,492	64,310	4,182	-----	-----	-----	-----
0131 FRESH FRUITS-----	36	36	-----	-----	-----	-----	-----
0133 COFFEE-----	347	347	-----	-----	-----	-----	-----
0134 COCOA BEANS-----	560	560	-----	-----	-----	-----	-----
0151 LIVE ANIMALS-----	5,450	-----	5,450	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	30	30	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	85	-----	85	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	4,637	4,637	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	137	81	56	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	72	-----	-----	-----	-----	-----	72
0912 SHELLFISH, EXCEPT PREPARED-----	760	-----	-----	-----	-----	320	440
0931 MARINE SHELLS, UNMANUFACTURED-----	17,066	-----	-----	-----	-----	17,066	-----
1051 ALUMINUM ORES, CONCENTRATES-----	108	56	52	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	1,157	-----	1,157	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	914,372	-----	52	-----	-----	914,290	-----
1451 CLAY-----	43,148	43,148	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	2,178	1	2,177	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	29	-----	29	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	282	-----	282	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	2	2	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	580	580	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	353	353	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	22	-----	22	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	122	107	15	-----	-----	-----	-----
2061 ALCOHOLIC BEVERAGES-----	8,527	9,412	115	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	12	5	7	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	22	22	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	804	335	469	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	29,624	648	28,976	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	20,392	3,546	16,846	-----	-----	-----	-----

## NORFOLK, VA, DISTRICT

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PORT OF RICHMOND, VA.  
(INCLUDED IN JAMES RIVER, VA., CONSOLIDATED REPORT)--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
2212 TEXTILE FIBERS, NEC-----	15,199	15,199					
2311 APPAREL-----	541	129	412				
2411 LOGS-----	570		570				
2421 LUMBER-----	27,731	27,731					
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,353	1,285	68				
2491 WOOD MANUFACTURES, NEC-----	454	12	442				
2511 FURNITURE AND FIXTURES-----	500	455	45				
2611 PULP-----	3,657		3,657				
2621 STANDARD NEWSPRINT PAPER-----	1,378	1,378					
2631 PAPER AND PAPERBOARD-----	16,408	16,377	31				
2691 PULP AND PAPER PRODUCTS, NEC-----	203	89	114				
2711 PRINTED MATTER-----	36	24	12				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	796	796					
2812 DYES, PIGMENT, TANNING MATS-----	843		843				
2813 ALCOHOLS-----	788	131	657				
2819 BASIC CHEMICALS AND PROD, NEC-----	28,935	12,093	16,840				
2821 PLASTIC MATERIALS-----	24,997	8,338	16,659				
2822 SYNTHETIC RUBBER-----	5,345	66	5,279				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,647		1,647				
2831 DRUGS-----	769	1	768				
2841 SOAP-----	790	541	249				
2851 PAINTS-----	1,921	1,895	26				
2871 NITROGENOUS CHEM FERTILIZERS-----	18,695		18,695				
2872 POTASSIC CHEM FERTILIZERS-----	265		265				
2876 INSECTICIDES, DISINFECTANTS-----	2,560	21	2,539				
2891 MISCELLANEOUS CHEMICAL PROD-----	2,956	817	2,151				
2911 GASOLINE-----	416,733			51,352		22,342	343,039
2912 JET FUEL-----	200,034				186,576	13,458	
2913 KEROSENE-----	12,793				1,116		11,677
2914 DISTILLATE FUEL OIL-----	92,003		72		8,054		83,877
2915 RESIDUAL FUEL OIL-----	315,291				6,798	128,438	180,055
2916 LUBRICATING OILS AND GREASES-----	641		641				
2918 ASPHALT, TAR, AND BITUMENS-----	245,559			228,083		17,476	
2921 LIQUEFIED GASES-----	25	25					
2991 PETROLEUM AND COAL PROD, NEC-----	35,167	20				35,147	
3011 RUBBER AND MISC PLASTIC PROD-----	3,170	863	2,307				
3111 LEATHER AND LEATHER PRODUCTS-----	253	252	1				
3211 GLASS AND GLASS PRODUCTS-----	4,442	4,143	299				
3251 STRUCTURAL CLAY PRODUCTS-----	9,241		7,241				
3281 CUT STONE AND STONE PRODUCTS-----	104	104					
3291 MISC NONMETALLIC MINERAL PROD-----	222	193	29				
3315 IRON, STEEL SHAPES, EXC SHEET-----	36	88					
3316 IRON AND STEEL PLATES, SHEETS-----	198		198				
3317 IRON AND STEEL PIPE AND TUBE-----	45		45				
3318 FERRALLOYS-----	109		109				
3319 IRON AND STEEL PRODUCTS, NEC-----	64	38	46				
3321 NONFERROUS METALS, NEC-----	30		30				
3322 COPPER ALLOYS, UNWORKED-----	2,905	2,772	133				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,762	2,750	12				
3411 FABRICATED METAL PRODUCTS-----	4,299	3,259	926			114	
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,126	2,924	1,202				
3611 ELECTRICAL MACH AND EQUIP-----	1,545	824	721				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,926	213	313				6,400
3721 AIRCRAFT AND PARTS-----	6		6				
3731 SHIPS AND BOATS-----	10		10				
3791 MISC TRANSPORTATION EQUIPMENT-----	9		9				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	593	139	454				
3911 MISC MANUFACTURED PRODUCTS-----	768	736	32				
4011 IRON AND STEEL SCRAP-----	31,772		31,772				
4012 NONFERROUS METAL SCRAP-----	636		636				
4024 PAPER WASTE AND SCRAP-----	238		238				
4112 COMMODITIES, NEC-----	6,702	1,203	174			810	4,515
9999 DEPARTMENT OF DEFENSE AND SCI-----	283		283				

JAMES RIVER BELOW RICHMOND, VA.  
(INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)

## FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	THROUGH		COASTWISE		THROUGH	
				UPBOUND	DOWNBOUND	RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL-----	1,423,369	50,180	338,785	235,157	182,253	8,069	124,944	281,437	202,549
0103 CORN-----	292				292				
0119 OILSEEDS, NEC-----	68			17	51				
0121 TOBACCO, LEAF-----	68,492			64,310	4,182				
0131 FRESH FRUITS-----	36				36				
0133 COFFEE-----	347			347					
0134 COCOA BEANS-----	560			560					
0151 LIVE ANIMALS-----	5,450				5,450				
0161 ANIMALS AND PRODUCTS, NEC-----	30			30					
0171 MISCELLANEOUS FARM PRODUCTS-----	45				45				
0841 CRUDE RUBBER AND ALLIED GUMS-----	4,637			4,637					
0861 FOREST PRODUCTS, NEC-----	137			81	56				

JAMES RIVER BELOW RICHMOND, VA.  
(INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH UPBOUND	THROUGH DOWNBOUND	RECEIPTS	SHIPMENTS	THROUGH UPBOUND	THROUGH DOWNBOUND
1051 ALUMINUM DRES, CONCENTRATES	108			56	52				
1121 COAL AND LIGNITE	1,157				1,157				
1442 SAND, GRAVEL, CRUSHED ROCK	82				82				
1451 CLAY	43,148			43,148					
1499 NONMETALLIC MINERALS, NEC	2,278		100	1	2,177				
2011 MEAT, FRESH, CHILLED, FROZEN	29				29				
2015 ANIMAL BY-PRODUCTS, NEC	292				292				
2021 DAIRY PRODUCTS, NEC	2			2					
2034 VEGETABLES AND PREP, NEC	580			580					
2039 PREP FRUIT AND VEG JUICE, NEC	353			353					
2042 ANIMAL FEEDS	22				22				
2049 GRAIN MILL PRODUCTS, NEC	122			107	15				
2081 ALCOHOLIC BEVERAGES	4,527			4,412	115				
2091 VEGETABLE OILS, MARG, SHORT	12			5	7				
2092 ANIMAL OILS AND FATS, NEC	22				22				
2099 MISCELLANEOUS FOOD PRODUCTS	804			335	469				
2111 TOBACCO MANUFACTURES	31,977		2,553	648	28,426				
2211 BASIC TEXTILE PRODUCTS	20,417		25	3,546	16,846				
2212 TEXTILE FIBERS, NEC	15,199			15,199					
2311 APPAREL	550		9	129	421				
2411 LOGS	570				570				
2421 LUMBER	27,731			27,731					
2431 VENEER, PLYWOOD, WORKED WOOD	1,353			1,285	68				
2491 WOOD MANUFACTURES, NEC	454			12	442				
2511 FURNITURE AND FIXTURES	504		4	455	45				
2611 PULP	3,657				3,657				
2621 STANDARD NEWSPRINT PAPER	1,378			1,378					
2631 PAPER AND PAPERBOARD	16,408			16,377	31				
2691 PULP AND PAPER PRODUCTS, NEC	203			89	114				
2711 PRINTED MATTER	36			24	12				
2811 CRUDE TAR, OIL, GAS PRODUCTS	796			796					
2812 DYES, PIGMENT, TANNING MATS	843				843				
2813 ALCOHOLS	876		88	131	657				
2818 SULFURIC ACID	7,070				7,070				
2819 BASIC CHEMICALS AND PROD, NEC	79,781	50,180	668	12,093	16,640				
2821 PLASTIC MATERIALS	25,271		274	5,338	16,659				
2822 SYNTHETIC RUBBER	5,583		258	66	5,279				
2823 SYNTHETIC (MAN-MADE) FIBERS	1,647				1,647				
2831 DRUGS	780		11	1	768				
2841 SOAP	830		40	541	249				
2851 PAINTS	1,921			1,695	26				
2871 NITROGENOUS CHEM FERTILIZERS	478,003		334,364		18,645		124,444		
2872 POTASSIC CHEM FERTILIZERS	265				265				
2873 PHOSPHATIC CHEM FERTILIZERS	2,002							2,002	
2876 INSECTICIDES, DISINFECTANTS	2,676		116	21	2,539				
2891 MISCELLANEOUS CHEMICAL PROD	3,066		98	817	2,151				
2911 GASOLINE	51,352							51,352	
2912 JET FUEL	166,576								166,576
2913 KEROSENE	1,116								1,116
2914 DISTILLATE FUEL OIL	8,120				72				8,058
2915 RESIDUAL FUEL OIL	7,797					999			6,798
2916 LUBRICATING OILS AND GREASES	697		56		641				
2918 ASPHALT, TAR, AND PITCHES	228,083							228,083	
2921 LIQUEFIED GASES	25			25					
2991 PETROLEUM AND COAL PROD, NEC	20			20					
3011 RUBBER AND MISC PLASTIC PROD	3,271		101	863	2,307				
3111 LEATHER AND LEATHER PRODUCTS	253			252	1				
3211 GLASS AND GLASS PRODUCTS	4,442			4,143	299				
3251 STRUCTURAL CLAY PRODUCTS	9,241				9,241				
3281 CUT STONE AND STONE PRODUCTS	104			104					
3291 MISC NONMETALLIC MINERAL PROD	222			193	29				
3315 IRON, STEEL SHAPES, EXC SHEET	88			88					
3316 IRON AND STEEL PLATES, SHEETS	198				198				
3317 IRON AND STEEL PIPE AND TUBE	45				45				
3318 FERRALLOYS	132		23		109				
3319 IRON AND STEEL PRODUCTS, NEC	84			38	46				
3321 NONFERROUS METALS, NEC	30				30				
3322 COPPER ALLOYS, UNWORKED	2,923		18	2,772	133				
3324 ALUMINUM AND ALLOYS, UNWORKED	2,762			2,750	12				
3411 FABRICATED METAL PRODUCTS	4,230		45	3,259	926				
3511 MACHINERY, EXCEPT ELECTRICAL	4,159		33	2,924	1,202				
3611 ELECTRICAL MACH AND EQUIP	1,638		93	824	721				
3711 MOTOR VEHICLES, PARTS, EQUIP	528		2	213	313				
3721 AIRCRAFT AND PARTS	6				6				
3731 SHIPS AND BOATS	10				10				
3791 MISC TRANSPORTATION EQUIPMENT	9				9				
3811 INSTR, TIME, PHOTO, OPT GOODS	617		24	139	454				
3911 MISC MANUFACTURED PRODUCTS	768			736	32				
4011 IRON AND STEEL SCRAP	31,772				31,772				
4012 NONFERROUS METAL SCRAP	636				636				
4024 PAPER WASTE AND SCRAP	258				258				
4112 COMMODITIES, NEC	1,379		2	1,203	174				
9999 DEPARTMENT OF DEFENSE AND SCI	283				283				

TON-MILES, OCEANGOING, 113,881,487.

# NORFOLK, VA, DISTRICT

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JAMES RIVER BELOW RICHMOND, VA.  
(INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH	
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	8,617,277	1,681,969	2,433	914,330	4,582,907	1	523,055	284,488	628,094
0911 FRESH FISH, EXCEPT SHELLFISH----	72								72
0912 SHELLFISH, EXCEPT PREPARED-----	1,512		280	40	100	1		479	612
0931 MARINE SHELLS, UNMANUFACTURED-----	17,066							17,066	
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,043,721	1,403,281		914,290	4,203,095		523,055		
2813 SULPHURIC ACID-----	18,760	11,050						7,710	
2819 BASIC CHEMICALS AND PROD, NEC-----	271,512	238,918			32,594				
2871 NITROGENOUS CHEM FERTILIZERS-----	346,649				343,787			2,862	
2872 POTASSIC CHEM FERTILIZERS-----	3,331				3,331				
2911 GASOLINE-----	365,381							22,342	343,039
2912 JET FUEL-----	13,458							13,458	
2913 KEROSENE-----	11,677								11,677
2914 DISTILLATE FUEL OIL-----	83,902							25	83,877
2915 RESIDUAL FUEL OIL-----	375,751	28,697	2,153					166,999	177,902
2916 ASPHALT, TAR, AND BITUMENS-----	17,476							17,476	
2991 PETROLEUM AND COAL PROD, NEC-----	35,147							35,147	
3411 FABRICATED METAL PRODUCTS-----	114							114	
3611 ELECTRICAL MACH AND EQUIP-----	5	5							
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,400								6,400
3721 AIRCRAFT AND PARTS-----	18	18							
4112 COMMODITIES, NEC-----	5,325							810	4,515
TON-MILES, INTERNAL,-----	493,998,642.								
TONS, ALL TRAFFIC,-----	10,040,646.								
TON-MILES, ALL TRAFFIC,-----	607,880,169.								

PORT OF HOPEWELL, VA.  
(INCLUDED IN JAMES RIVER, VA., CONSOLIDATED REPORT)

SECTION INCLUDED: SOUTH SIDE OF JAMES RIVER, FROM CITY POINT, AT MOUTH OF APPOMATTOX RIVER, 2.0 MILES DOWNSTREAM TO THE MOUTH OF BAILEYS CREEK. CONTROLLING DEPTH: 25.0 FEET AT MEAN LOW WATER. PROJECT DEPTH: 35 FEET, MAINTAINED TO 25 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,286,597	1983-----	1,194,690
1979-----	1,189,425	1984-----	1,103,516
1980-----	1,265,528	1985-----	1,037,046
1981-----	1,015,424	1986-----	1,427,387
1982-----	824,010	1987-----	1,214,934

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,214,934	50,180	338,785	7,070	124,944	314,243	379,712
1442 SAND, GRAVEL, CRUSHED ROCK-----	38,274					38,274	
1499 NONMETALLIC MINERALS, NEC-----	100		100				
2111 TOBACCO MANUFACTURES-----	2,353		2,353				
2211 BASIC TEXTILE PRODUCTS-----	25		25				
2311 APPAREL-----	9		9				
2511 FURNITURE AND FIXTURES-----	4		4				
2813 ALCOHOLS-----	88		88				
2818 SULPHURIC ACID-----	14,120			7,070		11,050	
2819 BASIC CHEMICALS AND PROD, NEC-----	322,360	50,180	688			238,918	32,594
2821 PLASTIC MATERIALS-----	274		274				
2822 SYNTHETIC RUBBER-----	238		238				
2831 DRUGS-----	11		11				
2841 SOAP-----	40		40				
2871 NITROGENOUS CHEM FERTILIZERS-----	803,095		334,364		124,944		343,787
2872 POTASSIC CHEM FERTILIZERS-----	3,331						3,331
2876 INSECTICIDES, DISINFECTANTS-----	116		116				
2891 MISCELLANEOUS CHEMICAL PROD-----	98		98				
2915 RESIDUAL FUEL OIL-----	26,001					26,001	
2916 LUBRICATING OILS AND GREASES-----	56		56				
3011 RUBBER AND MISC PLASTIC PROD-----	101		101				
3318 FERROALLOYS-----	23		23				
3322 COPPER ALLOYS, UNWORKED-----	18		18				
3411 FABRICATED METAL PRODUCTS-----	45		45				
3511 MACHINERY, EXCEPT ELECTRICAL-----	33		33				
3611 ELECTRICAL MACH AND EQUIP-----	93		93				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2		2				
3811 INSTN, TIME, PHOTO, OPT GOODS-----	24		24				
4112 COMMODITIES, NEC-----	2		2				

# Waterborne Commerce of the United States, 1987

## HAMPTON CREEK, VA.

SECTION INCLUDED: FROM THE CHANNEL ENTRANCE NEAR OLD POINT, VA., ACROSS HAMPTON BAR FLATS AND UP HAMPTON CREEK TO THE QUEEN STREET BRIDGE, A DISTANCE OF APPROXIMATELY 2.0 MILES. CONTROLLING DEPTH: 11.2 FEET AT MEAN LOW WATER. PROJECT DEPTH: 12 FEET AT MEAN LOW WATER. PROJECT LENGTH: 2.0 MILES.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1975	338,544		1983	618,344	
1976	347,739		1984	597,009	
1977	433,602		1985	631,743	
1978	350,555		1986	524,537	4,520
1979	385,370		1987	565,537	

### FREIGHT TRAFFIC, 1987

#### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	UPBOUND
TOTAL	565,537	565,565	100	72
0912 SHELLFISH, EXCEPT PREPARED	567	195	100	72
1442 SAND, GRAVEL, CRUSHED ROCK	542,491	542,491		
2913 KEROSENE	1,202	1,202		
2914 DISTILLATE FUEL OIL	21,477	21,477		
TOTAL TON-MILES	1,655,454			

## APPOMATTOX RIVER, VA.

SECTION INCLUDED: FROM MOUTH TO PETERSBURG, VIRGINIA, 11.0 MILES. CONTROLLING DEPTH: FROM THE MOUTH TO MILE POINT 7.8, 8 FEET, THENCE TO MILE POINT 8.5, 2.0 FEET, THENCE TO MILE POINT 1.0 & 5.5 FEET. PROJECT DEPTH: 10 FEET, UNTIL THE VESSEL TRAFFIC INDICATES THE NEED FOR A CHANGE, THE 60 FOOT WIDE CHANNEL BETWEEN PUDLOE LOCK AND THE SMALL BOAT HARBOR WILL BE MAINTAINED TO A DEPTH OF 6 FEET. THE CHANNEL UPSTREAM OF THE SMALL BOAT HARBOR IS NOT BEING MAINTAINED.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1975	870,444	1983	1,150,217
1976	761,269	1984	1,217,126
1977	1,153,365	1985	1,214,848
1978	835,031	1986	1,361,993
1979	832,146	1987	1,454,416

### FREIGHT TRAFFIC, 1987

#### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE RECEIPTS	INTERNAL	
			INBOUND	OUTBOUND
TOTAL	1,454,416	2,002	49,133	1,403,281
1442 SAND, GRAVEL, CRUSHED ROCK	1,403,281			1,403,281
2819 SULFURIC ACID	7,711		7,711	
2871 NITROGENOUS CHEM FERTILIZERS	2,562		2,562	
2873 PHOSPHATIC CHEM FERTILIZERS	2,002	2,002		
2915 RESIDUAL FUEL OIL	39,561		39,561	
TOTAL TON-MILES	12,731,799			

## ATLANTIC INTRACOSTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (NORFOLK DISTRICT) VIA GREAT BRIDGE LOCK AND RIF

SECTION INCLUDED: NORFOLK, VA., NORTH CAROLINA LINE. CONTROLLING DEPTH 12.0 FEET AT MEAN LOW WATER. PROJECT DEPTH: 12 FEET AT MEAN LOW WATER. PROJECT LENGTH: 33.9 MILES.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1975	1,369,259	225	1983	1,296,687	320
1976	1,313,137	252	1984	1,345,262	91
1977	1,315,722	272	1985	1,318,742	331
1978	1,337,775	340	1986	1,298,164	430
1979	1,334,397	600	1987	1,437,085	103

# NORFOLK, VA, DISTRICT

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ATLANTIC INTRACASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (NORFOLK DISTRICT) VIA  
GREAT BRIDGE LOCK ROUTE--CONTINUED

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		THROUGH	THROUGH	THROUGH	THROUGH
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	1,437,085	4,425	21	299,709	939,490
0107 WHEAT-----	16,757			16,757	
0111 SOYBEANS-----	14,230			14,230	
0911 FRESH FISH, EXCEPT SHELLFISH-----	4			4	
1442 SAND, GRAVEL, CRUSHED ROCK-----	745,003				736,599
2042 ANIMAL FEEDS-----	2,884			2,884	8,404
2061 SUGAR-----	4,653			4,653	
2211 BASIC TEXTILE PRODUCTS-----	830				830
2415 PULPMOOD, LOG-----	37,142			37,142	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	52,886			52,886	
2421 LUMBER-----	862			862	
2631 PAPER AND PAPERBOARD-----	69,178			67,728	1,450
2818 SULPHURIC ACID-----	19,890				19,890
2819 BASIC CHEMICALS AND PROD, NEC-----	20,400			20,400	
2871 NITROGENOUS CHEM FERTILIZERS-----	6,941			1,557	5,424
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,392			13,392	
2879 FERTILIZER AND MATERIALS, NEC-----	12,692			12,692	
2912 JET FUEL-----	204,587			1,696	202,891
2914 DISTILLATE FUEL OIL-----	13,778				13,778
2915 RESIDUAL FUEL OIL-----	31,680				31,680
2918 ASPHALT, TAR, AND BITUMENS-----	23,330			2,363	20,967
2920 COKE, PETROLEUM-----	9,452				9,452
3315 IRON, STEEL SHAPES, EXC SHEET-----	91,110			92,144	48,966
3317 IRON AND STEEL PIPE AND TUBE-----	2,607			2,607	
3318 FERROALLOYS-----	3,779			3,779	
3411 FABRICATED METAL PRODUCTS-----	245			211	34
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,124	2,550	21		553
3611 ELECTRICAL MACH AND EQUIP-----	1,153	1,100		29	24
3721 AIRCRAFT AND PARTS-----	19			15	4
3731 SHIPS AND BOATS-----	386	300			86
3791 MISC TRANSPORTATION EQUIPMENT-----	640	475		165	
4011 IRON AND STEEL SCRAP-----	26,635				26,635
4112 COMMODITIES, NEC-----	6,776			1,513	5,263
TOTAL TON-MILES, 19,956,284.					

BLACKWATER RIVER, VA.

SECTION INCLUDED: MOUTH OF RIVER TO FRANKLIN, VA., 13.1 MILES VIA TWO CUTOFFS, CONTROLLING DEPTH: 7 FEET AT MEAN LOW WATER. PROJECT DEPTH: 12 FEET AT MEAN LOW WATER. ALSO INCLUDES A TURNING BASIN OF 3.2 ACRES AT FRANKLIN, VA.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	317,013	1983-----	274,069
1979-----	301,590	1984-----	274,013
1980-----	270,812	1985-----	283,691
1981-----	284,261	1986-----	318,978
1982-----	276,060	1987-----	390,715

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL
		INBOUND
2415 PULPMOOD, LOG-----		390,715
TOTAL TON-MILES, 5,079,295.		

YUMA RIVER, VA.

SECTION INCLUDED: FROM THE MOUTH TO WEST POINT, VA., A DISTANCE OF 33.75 MILES, INCLUDING THE WESTERN SHORELINE OF THE TOWN OF WEST POINT AND A DIKE ON THE TEXAS RIGHT BANK. CONTROLLING DEPTH: 18.1 FEET TO WEST POINT, 33 MILES ABOVE THE MOUTH. PROJECT DEPTH: 22 FEET AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	9,632,099	820	1983-----	4,217,731	1,700
1979-----	7,891,260	1,745	1984-----	4,949,336	999
1980-----	7,278,620	2,453	1985-----	5,133,327	904
1981-----	5,568,714	2,400	1986-----	4,786,711	600
1982-----	4,777,714	2,100	1987-----	5,062,381	478



YORK RIVER, VA.--CONTINUED

FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	3,675,598	2,297,311	38,962	364,050	975,275
1311 CRUDE PETROLEUM-----	2,185,236	2,188,312	-----	76,924	-----
2411 PULP-----	38,962	-----	38,962	-----	-----
2911 GASOLINE-----	205,239	-----	-----	2,525	202,714
2912 JET FUEL-----	8,317	-----	-----	8,317	-----
2914 DISTILLATE FUEL OIL-----	799,246	49,429	-----	-----	749,817
2915 RESIDUAL FUEL OIL-----	438,598	139,570	-----	276,284	22,744
TON-MILES, OCEANGOING, 24,109,606.					

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND		UPBOUND	DOWNBOUND	THROUGH	
		UPBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	1,386,783	607,834	316	724,221	180	17	3,320	50,895
0103 CORN-----	6,445	-----	-----	-----	-----	-----	-----	6,445
0107 WHEAT-----	18,046	-----	-----	-----	-----	-----	-----	18,046
0111 SOYBEANS-----	19,335	-----	-----	-----	-----	-----	-----	19,335
0911 FRESH FISH, EXCEPT SHELLFISH-----	6	-----	-----	6	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	338	-----	316	5	-----	17	-----	-----
1311 CRUDE PETROLEUM-----	12,770	12,770	-----	-----	-----	-----	-----	-----
2411 LOGS-----	11,389	-----	-----	11,389	-----	-----	-----	-----
2415 PULPHOOD, LOG-----	83,842	83,842	-----	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOULDINGS-----	233,946	233,946	-----	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	3,320	-----	-----	-----	-----	-----	3,320	-----
2911 GASOLINE-----	29,529	908	-----	28,621	-----	-----	-----	-----
2912 JET FUEL-----	216,812	91,930	-----	117,813	-----	-----	-----	7,069
2914 DISTILLATE FUEL OIL-----	131,401	7,479	-----	123,922	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	607,459	176,673	-----	430,786	-----	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	147	147	-----	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	11,453	-----	-----	11,453	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	306	-----	-----	126	180	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	233	133	-----	100	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	8	8	-----	-----	-----	-----	-----	-----
TON-MILES, INTERNAL, 20,437,545.								
TONS, ALL TRAFFIC, 5,062,381.								
TON-MILES, ALL TRAFFIC, 44,547,151.								

## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
ABERDEEN CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	4	4	-----
ATLANTIC INTRACASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (NORFOLK DISTRICT)				
DISMAL SWAMP AND PASQUOTANK RIVER-----	0107 WHEAT-----	16,757	-----	-----
	0111 SOYBEANS-----	12,890	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	4	-----	-----
	1499 NONMETALLIC MINERALS, NEC-----	935	-----	-----
	2115 PULPWOOD, LOG-----	109,906	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	52,886	-----	-----
	TOTAL-----	191,378	4,919,837	-----
BEACH CREEK, VA.-----	NO COMMERCE REPORTED			
BROAD CREEK, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	10	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	28	-----	-----
	TOTAL-----	38	38	1,680
CAPE CHARLES CITY HARBOR, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	216	-----	-----
	1492 SAND, GRAVEL, CRUSHED ROCK-----	95,425	-----	-----
	2914 DISTILLATE FUEL OIL-----	293	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	6,390	-----	-----
	TOTAL-----	102,524	307,572	278
CARTERS CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	90	90	-----
CHANNEL CONNECTING YORK RIVER, VA., WITH JACK CREEK TO SLAIGHTS MARF, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	134	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,667	-----	-----
	TOTAL-----	1,801	3,597	14
CHANNEL FROM PHOEBUS, VA. TO DEEP WATER IN HAMPTON ROADS, VA.	NO COMMERCE REPORTED			
CHESAPESEX CREEK, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	58	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	100	-----	-----
	TOTAL-----	138	574	-----
CHINCOTEAGUE BAY, MD. AND VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	107	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,538	-----	-----
	TOTAL-----	1,645	13,084	420
CHINCOTEAGUE HARBOR OF REFUGE, VA.-----	NO COMMERCE REPORTED			
CRANES CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	175	-----	-----
	0931 MARINE SHELLS, UNMANUFACTURED-----	3,010	-----	-----
	TOTAL-----	3,185	3,185	-----
DAVIS CREEK, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	568	-----	-----
	TOTAL-----	568	568	-----
DEEP CREEK, ACCOMACK COUNTY, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	47	141	-----
DEEP CREEK, VERMONT WASH, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	72	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,309	-----	-----
	TOTAL-----	1,381	2,562	-----
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION--	0911 FRESH FISH, EXCEPT SHELLFISH-----	137	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	38,600	-----	-----
	0931 MARINE SHELLS, UNMANUFACTURED-----	10,163	-----	-----
	TOTAL-----	48,900	5,964,570	3,260
DYMERS CREEK, VA.-----	NO COMMERCE REPORTED			
GREENVALE CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	215	215	-----
HORN HARBOR, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	32	96	-----
HOSKINS CREEK, VA.-----	0103 CORN-----	4,304	-----	-----
	0107 WHEAT-----	14,604	-----	-----
	0111 SOYBEANS-----	5,521	-----	-----
	TOTAL-----	24,433	24,433	11,046
JACKSON CREEK, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	163	-----	-----
	TOTAL-----	168	168	720
KINGS CREEK, NORTHAMPTON COUNTY, VA.-----				890
LAFAYETTE RIVER, VA.-----	NO COMMERCE REPORTED			
LITTLE MACHIPONGO RIVER, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	433	-----	-----
LITTLE RIVER (CREEK), VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	35	-----	-----
	1492 SAND, GRAVEL, CRUSHED ROCK-----	186,762	-----	-----
	2412 JET FUEL-----	1,138	-----	-----

## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
LITTLE RIVER (CHECK), VA. (CONTINUED)-----	2914 DISTILLATE FUEL OIL-----	45,166		
	TOTAL-----	233,101	233,101	
LOCKHIES CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	15	15	4,596
LYNHAVEN ROADS, INLET, AND CONNECTING WATERS, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2		
	0912 SHELLFISH, EXCEPT PREPARED-----	26		
	4111 WATER-----	1,500		
	TOTAL-----	1,528	3,054	
MATTAPONI RIVER, VA.-----	NO COMMERCE REPORTED			
MEMPHIS RIVER, VA.-----	NO COMMERCE REPORTED			
MILFORD HAVEN, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	6		
	0912 SHELLFISH, EXCEPT PREPARED-----	265		
	TOTAL-----	271	345	2,000
MILL CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	12	12	
MULBERRY CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	264	264	
NANJUA CREEK, VA.-----	NO COMMERCE REPORTED			
NANSEMUO RIVER, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	36		
	2914 DISTILLATE FUEL OIL-----	25		
	TOTAL-----	61	61	
NEWPORT NEWS CREEK, VA. (INCLUDED IN PORT OF NEWPORT NEWS, VA.)-----	0912 SHELLFISH, EXCEPT PREPARED-----	293		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	165,530		
	2914 DISTILLATE FUEL OIL-----	15,338		
	2915 RESIDUAL FUEL OIL-----	1,680		
	TOTAL-----	182,841	182,841	
OCCEHANNOCK CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	64	356	
ONANCOCK RIVER, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	25		
	0912 SHELLFISH, EXCEPT PREPARED-----	54		
	0931 MARINE SHELLS, UNMANUFACTURED-----	3,913		
	2911 GASOLINE-----	255		
	2914 DISTILLATE FUEL OIL-----	26,279		
	TOTAL-----	30,526	167,584	
OYSTER CHANNEL, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	3,947	3,947	
PAGAN RIVER, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	169	507	
PANJUEY RIVER, VA.-----	0103 CORN-----	6,945		
	0107 WHEAT-----	18,046		
	0111 SOYBEANS-----	19,335		
	2671 NITROGENOUS CHEM FERTILIZERS-----	3,320		
	TOTAL-----	47,146	94,292	
PARKER CREEK, VA.-----	NO COMMERCE REPORTED			
PARRIS CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	181	181	
PEEVS CREEK, VA.-----	NO COMMERCE REPORTED			
PULLEY CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	21	21	
REPPAHNNOCK RIVER, VA.-----	0103 CORN-----	4,304		
	0107 WHEAT-----	14,604		
	0111 SOYBEANS-----	5,521		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	136		
	0912 SHELLFISH, EXCEPT PREPARED-----	3,554		
	0931 MARINE SHELLS, UNMANUFACTURED-----	40		
	2415 PULPWOOD, LOG-----	14,499		
	2916 LUBRICATING OILS AND GREASES-----	23		
	TOTAL-----	42,685	1,586,388	17,422
STAPLENS CREEK, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	25		
	0912 SHELLFISH, EXCEPT PREPARED-----	49		
	0931 MARINE SHELLS, UNMANUFACTURED-----	4,923		
	TOTAL-----	4,997	4,927	
TANGIER CHANNEL, VA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	25		
	0912 SHELLFISH, EXCEPT PREPARED-----	59		
	2914 DISTILLATE FUEL OIL-----	4,766		
	TOTAL-----	4,850	4,850	19,032
TITUSKEY CREEK, VA.-----	2415 PULPWOOD, LOG-----	14,499	57,996	
TYLERS BEACH, VA.-----	NO COMMERCE REPORTED			
URBANIA CREEK, VA.-----	0912 SHELLFISH, EXCEPT PREPARED-----	107	107	
WILLOUGHBY CHANNEL, VA.-----	NO COMMERCE REPORTED			
WINTER HARBOR, VA.-----	NO COMMERCE REPORTED			
WISART POINT CHANNEL, VA.-----	NO COMMERCE REPORTED			

## CHOWAN RIVER, N. C.

SECTION INCLUDED: FROM THE MOUTH AT EDENTON, N. C. TO THE CONFLUENCE OF THE MEHEKIN RIVER, ABOUT 42 MILES. CONTROLLING DEPTH: 11 FEET. PROJECT DEPTH: 12 FEET DEEP, 80 FEET WIDE.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	320,171	1983-----	276,801
1979-----	303,196	1984-----	276,926
1980-----	273,229	1985-----	284,196
1981-----	286,675	1986-----	322,613
1982-----	282,536	1987-----	392,423

## FREIGHT TRAFFIC, 1987

### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		OUTBOUND	DOWNBOUND	THROUGH UPBOUND
TOTAL-----	392,423	50,286	1,140	340,997
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,699	565	1,134	-----
0912 SHELLFISH, EXCEPT PREPARED-----	9	3	6	-----
2415 PULPMOOD, LOG-----	390,715	49,718	-----	340,997
TOTAL TON-MILES, 18,500,372.				

## PAMLICO AND TAR RIVERS, N. C.

SECTION INCLUDED: FROM 14 MILES BELOW WASHINGTON ON PAMLICO RIVER, TO LITTLE FALLS, 83 MILES ABOVE WASHINGTON ON TAR RIVER, A TOTAL DISTANCE OF 97 MILES. CONTROLLING DEPTH: 10.3 FEET TO WASHINGTON, 6.0 FEET FROM WASHINGTON TO HARDEE CREEK; BRANCH CHANNELS RANGE FROM 1 TO 6 FEET. PROJECT DEPTH: 12 FEET TO HARDEE CREEK, 6 FEET TO GREENVILLE, AND 20 INCHES TO TARBORO, THENCE TO CLEAR NATURAL CHANNEL ABOVE TARBORO TO LITTLE FALLS. ALL AT MEAN LOW WATER. NAVIGATION SEASON: NAVIGABLE TO GREENVILLE THE ENTIRE YEAR; ABOVE GREENVILLE DURING FRESHET STAGES, WHICH PREVAIL FOR 4 TO 6 MONTHS DURING THE YEAR.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,269,758	1983-----	1,693,741
1979-----	1,321,381	1984-----	1,450,794
1980-----	846,583	1985-----	1,181,058
1981-----	1,293,610	1986-----	2,284,550
1982-----	1,457,850	1987-----	2,448,100

## FREIGHT TRAFFIC, 1987

### DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	THROUGH UPBOUND
TOTAL-----	2,448,100	593,376	1,853,584	1,138
0911 FRESH FISH, EXCEPT SHELLFISH-----	275	-----	-----	274
0912 SHELLFISH, EXCEPT PREPARED-----	865	-----	-----	864
1493 SULPHUR, LIQUID-----	574,750	574,750	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	319,500	-----	319,500	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,392	-----	13,392	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,520,692	-----	1,520,692	-----
2915 RESIDUAL FUEL OIL-----	18,626	18,626	-----	-----
TOTAL TON-MILES, 62,529,732.				

## ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (WILMINGTON DISTRICT)

SECTION INCLUDED: ATLANTIC INTRACOASTAL WATERWAY, VIRGINIA STATE LINE TO SOUTH CAROLINA STATE LINE, INCLUDING WATERWAY TO JACKSONVILLE, N. C. CONTROLLING DEPTH: 8 FEET THROUGH THE WATERWAY AND 09 FEET TO JACKSONVILLE, N. C. PROJECT DEPTH: 12 FEET, ALL AT MEAN LOW WATER.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	5,670,049	77,342	1983-----	2,504,386	49,690
1979-----	3,719,199	28,318	1984-----	2,163,156	28,642
1980-----	2,603,366	33,886	1985-----	1,751,279	49,474
1981-----	2,751,575	15,514	1986-----	2,878,175	69,352
1982-----	2,204,716	65,379	1987-----	3,080,732	114,545

## Waterborne Commerce of the United States, 1987

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (WILMINGTON DISTRICT)--CONTINUED

FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC COASTWISE THROUGH	
		NORTHBOUND	SOUTHBOUND
TOTAL-----	4,446	4,325	121
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,571	2,450	121
3611 ELECTRICAL MACH AND EQUIP-----	1,100	1,100	-----
3731 SHIPS AND BOATS-----	300	300	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	475	475	-----
TON-MILES, OCEANGOING, 1,369,568.			

INTERNAL  
(SHORT TONS)

COMMODITY	TOTAL	NORTHBOUND	INBOUND			SOUTHBOUND	OUTBOUND		
			NORTHBOUND	NORTHBOUND	THROUGH		SOJTBBOUND	SOUTHBOUND	THROUGH
TOTAL-----	5,076,286	414	926	584	1,011,326	1,395	3,398	1,214	2,057,027
0107 WHEAT-----	16,757	-----	-----	-----	16,757	-----	-----	-----	-----
0111 HAY-----	14,230	-----	-----	-----	14,230	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	9,122	116	703	564	1,348	170	2,741	51	3,409
0912 SHELLFISH, EXCEPT PREPARED-----	7,240	296	223	-----	390	1,225	657	1,163	3,284
1121 COAL AND LIGNITE-----	2,952	-----	-----	-----	-----	-----	-----	-----	2,952
1402 SAND, GRAVEL, CRUSHED ROCK-----	13,404	-----	-----	-----	13,404	-----	-----	-----	-----
1493 SULPHUR, LIQUID-----	574,750	-----	-----	-----	574,750	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1,806	-----	-----	-----	1,806	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	2,884	-----	-----	-----	2,884	-----	-----	-----	-----
2061 SUGAR-----	4,653	-----	-----	-----	4,653	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	4,406	-----	-----	-----	800	-----	-----	-----	3,606
2415 PULPAOOD, LOG-----	37,142	-----	-----	-----	37,142	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	52,886	-----	-----	-----	52,886	-----	-----	-----	-----
2421 LUMBER-----	862	-----	-----	-----	862	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	67,728	-----	-----	-----	67,728	-----	-----	-----	1,450
2810 SODIUM HYDROXIDE-----	8,052	-----	-----	-----	-----	-----	-----	-----	8,052
2813 ALCOHOLS-----	2,400	-----	-----	-----	2,400	-----	-----	-----	-----
2818 SULPHURIC ACID-----	19,890	-----	-----	-----	-----	-----	-----	-----	19,890
2819 BASIC CHEMICALS AND PROD, NEC-----	339,900	-----	-----	-----	20,400	-----	-----	-----	319,500
2871 NITROGENOUS CHEM FERTILIZERS-----	21,824	-----	-----	-----	15,071	-----	-----	-----	6,753
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,392	-----	-----	-----	8,962	-----	-----	-----	4,430
2679 FERTILIZER AND MATERIALS, NEC-----	1,520,692	-----	-----	-----	12,692	-----	-----	-----	1,508,000
2911 GASOLINE-----	1,140	-----	-----	-----	1,140	-----	-----	-----	-----
2912 JET FUEL-----	4,445	-----	-----	-----	4,445	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	18,102	-----	-----	-----	4,324	-----	-----	-----	13,778
2915 RESIDUAL FUEL OIL-----	114,709	-----	-----	-----	79,965	-----	-----	-----	34,744
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,090	-----	-----	-----	1,090	-----	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	23,330	-----	-----	-----	2,363	-----	-----	-----	20,967
2920 COKE, PETROLEUM COKE-----	9,452	-----	-----	-----	-----	-----	-----	-----	9,452
3291 MISC NONMETALLIC MINERAL PROD-----	5,300	-----	-----	-----	-----	-----	-----	-----	5,300
3314 IRON AND STEEL PRIMARY FORMS-----	1,519	-----	-----	-----	1,519	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	105,717	-----	-----	-----	56,751	-----	-----	-----	48,966
3317 IRON AND STEEL PIPE AND TUBE-----	3,669	-----	-----	-----	3,669	-----	-----	-----	-----
3318 FERRONALLOYS-----	3,779	-----	-----	-----	3,779	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	245	-----	-----	-----	211	-----	-----	-----	34
3511 MACHINERY, EXCEPT ELECTRICAL-----	553	-----	-----	-----	-----	-----	-----	-----	553
3611 ELECTRICAL MACH AND EQUIP-----	53	-----	-----	-----	29	-----	-----	-----	24
3721 AIRCRAFT AND PARTS-----	46	-----	-----	-----	22	-----	-----	-----	24
3731 SHIPS AND BOATS-----	86	-----	-----	-----	-----	-----	-----	-----	86
3791 MISC TRANSPORTATION EQUIPMENT-----	165	-----	-----	-----	165	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	35,280	-----	-----	-----	-----	-----	-----	-----	35,280
4112 COMMODITIES, NEC-----	9,182	-----	-----	-----	2,689	-----	-----	-----	6,493
TON-MILES, INTERNAL, 248,090,445.									
TONS, ALL TRAFFIC, 3,080,732.									
TON-MILES, ALL TRAFFIC, 249,459,813.									

MOREHEAD CITY HARBOR, N. C.

SECTION INCLUDED: MOREHEAD CITY HARBOR, N. C. CONTROLLING DEPTHS: 37.0 FEET FROM THE OCEAN TO THE MARINE TERMINALS; OTHER CHANNELS RANGE FROM 6.5 TO 12.0 FEET. PROJECT DEPTHS: 42 FEET DEEP 450 FEET WIDE ACROSS BAR CHANNEL; A CUTOFF CHANNEL, 40 FEET DEEP AND 600 FEET WIDE, AN INNER HARBOR CHANNEL 40 FEET DEEP AND 400 FEET WIDE; AND A DEPTH OF 40 FEET IN THE EAST LEG OF THE TURNING BASIN, INCLUDING A 1,200-FOOT DIAMETER TURNING AREA; 35 FEET IN THE WEST LEG OF THE TURNING BASIN AND 12 FEET FROM THE TURNING BASIN TO 10TH STREET, MOREHEAD CITY, AND 6 FEET TO BUGUE SOUND. ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	3,343,434	64,488	16,991	1983-----	4,233,292	20,642	24,015
1979-----	3,568,907	16,684	48,499	1984-----	4,155,291	18,170	34,539
1980-----	3,010,777	114	40,919	1985-----	3,605,320	15,836	21,003
1981-----	3,889,850	12,580	143,983	1986-----	5,195,605	16,296	28,913
1982-----	3,690,281	21,300	40,915	1987-----	5,561,002	20,981	22,806

MOREHEAD CITY HARBOR, N. C.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	5,561,002	753,450	2,032,790	301,835	18,767	1,847,615	591,672	14,873
0121 TOBACCO, LEAF-----	42,552	39,471	3,061					
0911 FRESH FISH, EXCEPT SHELLFISH-----	300					300		
0912 SHELLFISH, EXCEPT PREPARED-----	76					76		
1121 COAL AND LIGNITE-----	123,896		120,944				2,952	
1442 SAND, GRAVEL, CRUSHED ROCK-----	51,794	51,794						
1451 CLAY-----	61,637	61,619	16					
1471 PHOSPHATE ROCK-----	1,112,221		1,112,221					
1491 SALT-----	12,290	12,290						
1493 SULPHUR, LIQUID-----	876,585			301,835			574,750	
1499 NONMETALLIC MINERALS, NEC-----	41	41						
2039 PREP FRUIT AND VEG JUICE, NEC-----	135	135						
2042 ANIMAL FEEDS-----	40,218	37,334					2,884	
2091 VEGETABLE OILS, 4ARG, SHORT-----	1,094		1,094					
2099 MISCELLANEOUS FOOD PRODUCTS-----	385	288	97					
2211 BASIC TEXTILE PRODUCTS-----	205	205						
2212 TEXTILE FIBERS, NEC-----	438	438						
2411 LOGS-----	15,017	405	14,612					
2421 LUMBER-----	70,981	68,968	2,013					
2431 VENEER, PLYWOOD, WORKED WOOD-----	9,025	9,024	1					
2611 PULP-----	408		408					
2631 PAPER AND PAPERBOARD-----	23,367	12,050	11,317					
2819 BASIC CHEMICALS AND PROD, NEC-----	570,695	251,052	143			319,500		
2821 PLASTIC MATERIALS-----	2		2					
2871 NITROGENOUS CHEM FERTILIZERS-----	1,317						1,317	
2872 POTASSIC CHEM FERTILIZERS-----	243,746	10,000	233,746					
2873 PHOSPHATIC CHEM FERTILIZERS-----	155,803		155,803					
2879 FERTILIZER AND MATERIALS, NEC-----	1,906,513		373,746		18,767	1,508,000		
2891 MISCELLANEOUS CHEMICAL PROD-----	51		51					
2912 JET FUEL-----	2,749						2,749	
2914 DISTILLATE FUEL OIL-----	4,324					4,324		
2915 RESIDUAL FUEL OIL-----	90,600	57,338				11,369	7,020	14,873
2916 LUBRICATING OILS AND GREASES-----	3,483		3,483					
2918 ASPHALT, TAR, AND PITCHES-----	135,716	135,716						
3316 IRON AND STEEL PLATES, SHEETS-----	1		1					
3318 FERROALLOYS-----	2,866	2,866						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,967	1,967						
3411 FABRICATED METAL PRODUCTS-----	452	418	14					
3511 MACHINERY, EXCEPT ELECTRICAL-----	18	3	15					
3611 ELECTRICAL MACH AND EQUIP-----	1	1						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2	2						
3731 SHIPS AND BOATS-----	14	14						
4112 COMMODITIES, NEC-----	4,057	11				4,046		
TOTAL TON-MILES, 19,728,125.								

PORT OF WILMINGTON, N. C.  
(SEE ALSO WILMINGTON HARBOR, N. C. FOR WATERWAY DATA)

SECTION INCLUDED: BOTH BANKS OF THE CAPE FEAR RIVER EXTENDING FROM A POINT ABOUT 18 MILES BELOW THE FOOT OF CASTLE STREET IN WILMINGTON TO A POINT ABOUT 2 MILES ABOVE THE RAILROAD BRIDGE AT NAVASSA, AND BOTH BANKS OF NORTHEAST (CAPE FEAR) RIVER FROM ITS MOUTH TO A POINT ABOUT 1.67 MILES ABOVE THE HILTON RAILROAD BRIDGE.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	9,212,517	109,431	1983-----	5,731,788	144,051
1979-----	9,576,644	141,754	1984-----	5,535,345	153,994
1980-----	7,826,486	147,145	1985-----	5,395,961	175,971
1981-----	7,873,616	127,179	1986-----	6,586,947	228,044
1982-----	5,661,499	129,883	1987-----	7,692,936	166,190

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	7,692,936	2,324,991	720,484	3,145,989	23,563	60,973	1,348,344	64,592
0101 COTTON, RAW-----	388	-----	388	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	1,115	-----	1,115	-----	-----	-----	-----	-----
0105 RICE-----	4,204	-----	4,204	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	1,918	-----	1,918	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	82,947	36,853	45,701	-----	363	-----	-----	-----
0131 FRESH FRUITS-----	36,157	23	36,134	-----	-----	-----	-----	-----
0133 COFFEE-----	1	-----	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	248	112	136	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,267	10	1,257	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	856	64	688	104	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	53	53	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	430	397	33	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	167	167	-----	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	228	228	-----	-----	-----	-----	-----	-----

PORT OF WILMINGTON, N. C.  
(SEE ALSO WILMINGTON HARBOR, N. C. FOR WATERWAY DATA)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
0931 MARINE SHELLS, UNMANUFACTURED-----	13	13	-----	-----	-----	-----	-----	-----
1051 ALUMINUM DRES, CONCENTRATES-----	64	64	-----	-----	-----	-----	-----	-----
1091 NONFERROUS DRES, CONCENT, NEC-----	145,010	144,891	119	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	11,484	6,200	284	-----	-----	-----	5,006	-----
1451 CLAY-----	84	20	64	-----	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	2,263	2,263	-----	-----	-----	-----	-----	-----
1491 SALT-----	237,038	237,038	-----	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	7,805	-----	-----	7,805	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTICS-----	271,058	271,058	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	7,421	-----	7,421	-----	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	291	266	25	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	19,965	134	19,831	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	347	295	52	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	18	-----	18	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	422	417	5	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	7	-----	7	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	4,178	160	-----	4,018	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	650	519	83	48	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,079	608	3,248	223	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	9,888	-----	9,888	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	861	156	661	44	-----	-----	-----	-----
2062 MOLASSES-----	63,226	63,226	-----	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	14,353	8,262	3,019	3,072	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	11,396	57	9,632	1,701	-----	-----	-----	-----
2095 ICE-----	501	-----	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	7,415	2,720	4,566	86	43	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	1,729	83	641	978	27	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	20,290	6,032	9,419	382	51	1,630	2,776	-----
2212 TEXTILE FIBERS, NEC-----	175	173	2	-----	-----	-----	-----	-----
2311 APPAREL-----	2,976	2,310	631	35	-----	-----	-----	-----
2411 LOGS-----	395	-----	395	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,475	1,475	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	74,529	34,258	40,155	-----	116	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	11,056	5,743	5,313	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	5,989	1,456	4,522	11	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	20,758	12,806	312	7,640	-----	-----	-----	-----
2611 PULP-----	312,672	-----	312,672	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	-----	1,617	-----	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	14,418	10,661	3,757	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	3,037	2,161	210	666	-----	-----	-----	-----
2711 PRINTED MATTER-----	485	91	34	180	180	-----	-----	-----
2810 SODIUM HYDROXIDE-----	37,124	-----	-----	37,124	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,274	2,274	-----	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	9	-----	9	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	527,400	149,813	60	206,315	-----	2,400	169,312	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	79	59	20	-----	-----	-----	-----	-----
2818 SULPHURIC ACID-----	109	-----	-----	109	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,826,755	323,386	104,628	673,161	-----	-----	725,580	-----
2821 PLASTIC MATERIALS-----	11,939	2,940	8,782	198	19	-----	-----	-----
2822 SYNTHETIC RUBBER-----	465	-----	718	247	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	10,029	1,956	8,073	-----	-----	-----	-----	-----
2831 DRUGS-----	747	283	456	8	-----	-----	-----	-----
2841 SOAP-----	1,231	442	789	-----	-----	-----	-----	-----
2851 PAINTS-----	10,821	10,023	751	47	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	42	22	20	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	230,751	132,820	-----	28,314	9,669	-----	59,948	-----
2872 POTASSIC CHEM FERTILIZERS-----	51,268	51,268	-----	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	2,206	12	2,194	-----	-----	-----	-----	-----
2877 FERTILIZER AND MATERIALS, NEC-----	29,835	10,035	-----	-----	-----	-----	10,800	9,000
2891 MISCELLANEOUS CHEMICAL PROD-----	38,531	638	2,364	35,529	-----	-----	-----	-----
2911 GASOLINE-----	678,608	49,614	-----	618,312	-----	1,140	-----	9,542
2913 KEROSENE-----	66,103	-----	-----	66,103	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	426,531	20,898	-----	383,434	-----	13,778	-----	8,421
2915 RESIDUAL FUEL OIL-----	1,152,781	176,799	22	563,102	12,371	2,780	362,948	34,759
2916 LUBRICATING OILS AND GREASES-----	1,132	6	1,126	-----	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	124,736	-----	2	123,644	-----	1,090	-----	-----
2918 ASPHALT, TAN, AND PITCHES-----	406,494	14,389	16	371,122	-----	20,967	-----	-----
2921 LIQUEFIED GASES-----	33,763	33,747	16	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	47	-----	47	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	125	115	10	-----	-----	-----	-----	-----
3011 RUBBER AND VISC PLASTIC PROD-----	10,041	8,494	1,190	357	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	2,335	2,262	65	-----	8	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	1,501	462	1,039	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	138,549	138,589	-----	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	1,961	1,286	633	42	-----	-----	-----	-----
3271 LIME-----	10	-----	10	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	563	424	-----	139	-----	-----	-----	-----
3291 VISC NONMETALLIC MINERAL PROD-----	3,291	3,196	104	1	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	1,669	150	-----	-----	-----	1,519	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	218,060	200,034	36	3,583	-----	14,607	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	273	-----	223	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	29,559	28,440	37	20	-----	1,062	-----	-----
3318 FERROALLOYS-----	177	18	159	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1,996	1,974	22	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	490	430	60	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,617	1,514	15	88	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,096	1,096	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,227	2,154	31	42	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	56,316	48,854	1,704	544	-----	99	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	22,562	15,712	6,547	261	42	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	20,072	15,779	4,151	92	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	8,947	7,337	1,610	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	425	31	394	-----	-----	-----	-----	-----

## WILMINGTON, NC, DISTRICT

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PORT OF WILMINGTON, N. C.  
(SEE ALSO WILMINGTON HARBOR, N. C. FOR WATERWAY DATA)--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3731 SHIPS AND BOATS-----	1,590	886	682	22	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	658	-----	658	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	522	294	228	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	6,506	6,286	102	118	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	12,897	-----	4,252	-----	-----	-----	8,645	-----
4012 NONFERROUS METAL SCRAP-----	5,488	947	5,041	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	9,483	533	8,627	-----	123	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	8,516	-----	8,509	-----	7	-----	-----	-----
4112 COMMODITIES, NEC-----	12,262	1,289	2,520	2,347	-----	-----	3,236	2,670
9999 DEPARTMENT OF DEFENSE AND SCI-----	16,971	-----	16,971	-----	-----	-----	-----	-----

WILMINGTON HARBOR, N. C.  
(SEE ALSO PORT OF WILMINGTON, N. C. FOR PORT DATA)

SECTION INCLUDED: FROM 1.67 MILES ABOVE THE HILTON BRIDGE AT WILMINGTON TO THE OCEAN, 33.67 MILES. CONTROLLING DEPTH: 38.0 FEET TO THE FOURTH EAST JETTY CHANNEL; OTHER CHANNELS RANGE FROM 24 TO 29 FEET. PROJECT DEPTH: 40.0 FEET OVER OCEAN BAR TO SOUTHPORT; 38 FEET FROM SOUTHPORT TO WILMINGTON HARBOR ANCHORAGE BASIN; 32 FEET FROM ANCHORAGE BASIN TO HILTON R. R. BRIDGE; 25 FEET FROM HILTON R. R. BRIDGE TO 1.67 MILES ABOVE, ALL AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	9,920,216	116,491	1983-----	5,123,292	145,311
1979-----	10,293,376	145,403	1984-----	5,797,706	155,402
1980-----	8,402,279	152,229	1985-----	5,632,063	176,013
1981-----	8,434,798	129,739	1986-----	6,806,915	228,324
1982-----	5,960,350	134,120	1987-----	7,928,981	169,252

## FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL-----	6,223,473	2,324,991	724,484	3,185,989	23,563	4,325	121
0101 COTTON, RAW-----	388	-----	388	-----	-----	-----	-----
0102 BAWLEY AND RYE-----	1,115	-----	1,115	-----	-----	-----	-----
0105 RICE-----	4,204	-----	4,204	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	1,918	-----	1,918	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	82,947	36,883	45,701	-----	363	-----	-----
0131 FRESH FRUITS-----	36,157	23	36,134	-----	-----	-----	-----
0133 COFFEE-----	1	-----	1	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	248	112	136	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,267	10	1,257	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	856	64	698	104	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	53	53	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	430	397	33	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SMELTFISH-----	187	187	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	228	228	-----	-----	-----	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	13	13	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	64	64	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	145,010	144,891	119	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,484	6,200	284	-----	-----	-----	-----
1451 CLAY-----	94	20	64	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	2,263	2,263	-----	-----	-----	-----	-----
1491 SALT-----	237,038	237,038	-----	-----	-----	-----	-----
1492 SULPHUR, OXY-----	7,805	-----	7,805	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	271,058	271,058	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	7,421	-----	7,421	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	291	266	25	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	19,965	134	19,831	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	347	295	52	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	18	-----	18	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	422	417	5	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	7	-----	7	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	4,178	160	4,018	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	650	519	85	44	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,079	606	3,248	223	-----	-----	-----
2042 ANIMAL FEEDS-----	9,888	-----	9,888	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	861	156	661	44	-----	-----	-----
2062 MOLASSES-----	63,226	63,226	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	14,353	8,262	3,019	3,072	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	11,390	57	9,632	1,701	-----	-----	-----
2095 ICE-----	501	501	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	7,415	2,720	4,566	86	43	-----	-----
2111 TOBACCO MANUFACTURES-----	1,729	43	641	978	27	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	15,844	6,032	9,419	382	51	-----	-----
2212 TEXTILE FIBERS, NEC-----	175	173	2	-----	-----	-----	-----
2311 APPAREL-----	2,976	2,310	631	35	-----	-----	-----
2411 LOGS-----	395	-----	395	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, WOOD PILES-----	1,475	1,475	-----	-----	-----	-----	-----



*Waterborne Commerce of the United States. 1987*

WILMINGTON HARBOR, N. C.  
(SEE ALSO PORT OF WILMINGTON, N. C. FOR PORT DATA)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

UCEAN60ING--CONTINUED

(SHORT TALKS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH	
						UPBOUND	DOWNBOUND
2421 LUMBER-----	74,529	34,258	40,155	-----	116	-----	-----
2431 VEVEER, PLYWOOD, WORKED WOOD-----	11,056	5,743	5,313	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	5,989	1,450	4,522	11	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	20,758	12,606	312	7,840	-----	-----	-----
2611 PULP-----	312,672	-----	312,672	-----	-----	-----	-----
2621 STANDARD NEWSRINT PAPER-----	1,617	1,617	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	14,410	10,661	3,757	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	3,037	2,161	210	666	-----	-----	-----
2711 PRINTED MATTER-----	485	91	34	180	180	-----	-----
2810 SODIUM HYDROXIDE-----	37,124	-----	-----	37,124	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,274	2,274	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	9	9	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	356,188	149,813	60	206,315	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	79	59	20	-----	-----	-----	-----
2818 SULPHURIC ACID-----	109	-----	109	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,101,175	323,386	104,628	673,161	-----	-----	-----
2821 PLASTIC MATERIALS-----	11,939	2,940	8,782	198	19	-----	-----
2822 SYNTHETIC RUBBER-----	965	-----	718	247	-----	-----	-----
2823 SY-T-ETIC (MAN-MADE) FIBERS-----	10,029	1,456	8,073	-----	-----	-----	-----
2831 DRUGS-----	747	283	456	8	-----	-----	-----
2841 SOAP-----	1,231	442	789	-----	-----	-----	-----
2851 PAINTS-----	10,821	10,023	751	47	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	42	22	20	-----	-----	-----	-----
2971 NITROGENOUS CHEM FERTILIZERS-----	170,803	132,820	-----	28,314	9,669	-----	-----
2972 POTASSIC CHEM FERTILIZERS-----	51,266	51,266	-----	-----	-----	-----	-----
2976 INSECTICIDES, DISINFECTANTS-----	2,206	12	2,194	-----	-----	-----	-----
2979 FERTILIZER AND MATERIALS, NEC-----	10,035	10,035	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	38,531	638	2,364	35,529	-----	-----	-----
2911 GASOLINE-----	667,926	49,614	-----	618,312	-----	-----	-----
2913 KEROSENE-----	66,103	-----	-----	66,103	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	404,332	20,698	-----	383,434	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	752,294	176,799	22	563,102	12,371	-----	-----
2916 LUBRICATING OILS AND GREASES-----	1,132	6	1,126	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	123,646	-----	2	123,644	-----	-----	-----
2918 ASPHALT, TAN, AND PITCHES-----	385,527	14,389	16	371,122	-----	-----	-----
2921 LIQUEFIED GASES-----	53,763	33,747	16	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	47	-----	47	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	125	115	10	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	10,041	8,494	1,140	357	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	2,335	2,262	65	-----	8	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	1,501	462	1,039	-----	-----	-----	-----
3241 BUILDING CEMENT-----	138,589	138,589	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	1,961	1,266	633	42	-----	-----	-----
3271 LIME-----	10	-----	10	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	563	424	-----	139	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	3,291	3,186	104	1	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	150	150	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	203,453	200,034	36	3,383	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	223	-----	223	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	28,497	28,440	37	20	-----	-----	-----
3318 FERROALLOYS-----	177	18	159	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1,996	1,974	22	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	490	430	60	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,617	1,514	15	88	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,096	1,096	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,227	2,154	31	42	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	56,217	48,854	1,704	5,115	544	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	25,133	15,712	6,547	261	42	2,450	121
3611 ELECTRICAL MACH AND EQUIP-----	21,122	15,779	4,151	92	-----	1,100	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	8,947	7,337	1,610	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	425	31	394	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	1,890	886	682	22	-----	300	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,133	-----	656	-----	-----	475	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	522	294	228	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	6,506	6,266	102	118	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	4,252	-----	4,252	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	5,488	447	5,041	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	9,463	533	8,627	-----	123	-----	-----
4024 PAPER WASTE AND SCRAP-----	8,516	-----	8,509	-----	7	-----	-----
4112 COMMODITIES, NEC-----	6,156	1,289	2,520	2,347	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	16,971	-----	16,971	-----	-----	-----	-----
TON-MILES, OCEANGOING, 176,124,852.							

TON-MILES, OCEANGOING, 176,124,852.

INTERNAL

(SHORT TONS)

[illegible]

WILMINGTON HARBOR, N. C.  
(SEE ALSO PORT OF WILMINGTON, N. C. FOR PORT DATA)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH	
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2631 PAPER AND PAPERBOARD-----	16,508	-----	-----	-----	-----	-----	-----	15,058	1,450
2810 SODIUM HYDROXIDE-----	8,052	-----	-----	-----	-----	-----	-----	-----	8,052
2813 ALCOHOLS-----	171,712	2,400	-----	169,312	-----	-----	-----	-----	-----
2818 SULPHURIC ACID-----	19,890	-----	-----	-----	-----	-----	-----	-----	19,890
2819 BASIC CHEMICALS AND PROD, NEC--	745,960	-----	-----	725,580	-----	-----	-----	20,400	-----
2871 NITROGENOUS CHEM FERTILIZERS---	59,948	-----	-----	-----	59,948	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC--	19,800	-----	-----	-----	10,800	-----	9,000	-----	-----
2911 GASOLINE-----	10,682	1,140	-----	-----	-----	7,310	2,232	-----	-----
2912 JET FUEL-----	1,696	-----	-----	-----	-----	-----	-----	1,696	-----
2914 DISTILLATE FUEL OIL-----	26,523	13,778	-----	-----	-----	2,675	5,746	8,324	-----
2915 RESIDUAL FUEL OIL-----	416,007	2,780	-----	110,831	252,117	3,313	31,466	13,367	2,153
2917 NAPHTHA, PETROLEUM SOLVENTS---	1,090	1,090	-----	-----	-----	-----	-----	-----	-----
2918 ASPHALT, TAN, AND BITUMES-----	23,336	20,967	-----	-----	-----	-----	-----	2,363	-----
2920 COKE, PETROLEUM COKE-----	6,217	-----	-----	-----	-----	-----	-----	-----	6,217
3291 MISC NONMETALLIC MINERAL PROD---	5,300	-----	-----	-----	-----	-----	-----	-----	5,300
3314 IRON AND STEEL PRIMARY FORMS---	1,519	1,519	-----	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EAC SHEET---	98,132	14,607	-----	-----	-----	-----	-----	34,559	48,966
3317 IRON AND STEEL PIPE AND TUBE---	1,287	1,062	-----	-----	-----	-----	-----	225	-----
3318 FERROALLOYS-----	3,779	-----	-----	-----	-----	-----	-----	3,779	-----
3411 FABRICATED METAL PRODUCTS-----	245	-----	-----	-----	99	-----	-----	112	34
3511 MACHINERY, EXCEPT ELECTRICAL---	553	-----	-----	-----	-----	-----	-----	-----	553
3611 ELECTRICAL MACH AND EQUIP-----	53	-----	-----	-----	-----	-----	-----	29	24
3721 AIRCRAFT AND PARTS-----	46	-----	-----	-----	-----	-----	-----	22	24
3731 SHIPS AND BOATS-----	66	-----	-----	-----	-----	-----	-----	-----	66
3791 MISC TRANSPORTATION EQUIPMENT---	165	-----	-----	-----	-----	-----	-----	165	-----
4011 IRON AND STEEL SCRAP-----	35,290	-----	-----	-----	8,645	-----	-----	-----	26,635
4112 COMMODITIES, NEC-----	9,182	-----	-----	-----	3,236	-----	2,870	683	2,393
TON-MILES, INTERNAL,	10,954,456.	-----	-----	-----	-----	-----	-----	-----	-----
TONS, ALL TRAFFIC,	7,928,981.	-----	-----	-----	-----	-----	-----	-----	-----
TON-MILES, ALL TRAFFIC,	187,079,310.	-----	-----	-----	-----	-----	-----	-----	-----

CAPE FEAR RIVER ABOVE WILMINGTON, N. C.

SECTION INCLUDED: FROM WILMINGTON, N. C. TO FAYETTEVILLE, N. C. 115 MILES. CONTROLLING DEPTH: 19.2 FEET FROM WILMINGTON TO NAVASSA (4 MILES); 9 FEET FROM NAVASSA TO ACME (26 MILES); 7.5 FEET TO FAYETTEVILLE, 115 MILES ABOVE WILMINGTON. PROJECT DEPTH: 25 FEET FROM WILMINGTON TO NAVASSA (4 MILES); 12 FEET FROM NAVASSA TO ACME; 8 FEET TO FAYETTEVILLE, 115 MILES ABOVE WILMINGTON. ALL AT MEAN LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	583,054	1983-----	196,460
1979-----	402,776	1984-----	110,356
1980-----	293,943	1985-----	95,082
1981-----	282,926	1986-----	182,465
1982-----	193,672	1987-----	277,110

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	UPBOUND
TOTAL-----	277,110	258,378	8,052	10,680
2810 SODIUM HYDROXIDE-----	8,052	-----	8,052	-----
2871 NITROGENOUS CHEM FERTILIZERS---	44,865	44,865	-----	-----
2879 FERTILIZER AND MATERIALS, NEC--	13,200	10,800	-----	2,400
2915 RESIDUAL FUEL OIL-----	210,993	202,713	-----	8,280
TOTAL TON-MILES,	12,547,350.	-----	-----	-----

NORTHEAST (CAPE FEAR) RIVER, N. C.

SECTION INCLUDED: FROM 1.67 MILES ABOVE HILTON BRIDGE AT WILMINGTON TO KORNEGAYS BRIDGE, 103 MILES ABOVE THE MOUTH. CONTROLLING DEPTH: 13 FEET TO A POINT 30 MILES ABOVE THE MOUTH, AND 3 FEET TO CROOKS BRIDGE, 56 MILES ABOVE THE MOUTH AT ALL STAGES. PROJECT: CLEARING UP NATURAL CHANNEL BY SNAGGING, 103 MILES. NAVIGATION SEASON: ENTIRE YEAR OVER LOWER 56 MILES, UPPER PORTION ONLY DURING FRESHET STAGES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	479,042	1983-----	370,670
1979-----	597,396	1984-----	335,120
1980-----	379,781	1985-----	324,298
1981-----	476,389	1986-----	521,148
1982-----	390,915	1987-----	1,005,723

## NORTHEAST (CAPE FEAR) RIVER, N. C.--CONTINUED

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL
	INBOUND
TOTAL-----	1,005,723
2813 ALCOHOLS-----	169,312
2819 BASIC CHEMICALS AND PROD, NEC-----	725,580
2915 RESIDUAL FUEL OIL-----	110,831
TOTAL TON-MILES, 5,028,615,	

## WILMINGTON, NC, DISTRICT

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## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
ATLANTIC BEACH CHANNELS, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	661	661	8,000
AVON HARBOR, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	735		
	0912 SHELLFISH, EXCEPT PREPARED	1		
	TOTAL	736	2,208	
BAY RIVER, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	1,596		
	0912 SHELLFISH, EXCEPT PREPARED	787		
	TOTAL	2,383	29,563	
BEAUFORT HARBOR, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	25,502		
	0912 SHELLFISH, EXCEPT PREPARED	2,869		
	2915 RESIDUAL FUEL OIL	1,573		
	TOTAL	29,944	38,145	
BELHAVEN HARBOR, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	2,333		
	0912 SHELLFISH, EXCEPT PREPARED	3,188		
	TOTAL	5,521		
CASHIE RIVER, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	565		
	0912 SHELLFISH, EXCEPT PREPARED	3		
	TOTAL	568	6,816	
CHANNEL CONNECTING THOROUGHFARE BAY WITH CEDAR HAY, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	2,661		
	0912 SHELLFISH, EXCEPT PREPARED	3		
	TOTAL	2,664	18,648	
CHANNEL FROM BACK SOUND TO LOOKOUT BIGHT, N. C.	NO COMMERCE REPORTED			
CHANNEL FROM PAMlico SOUND TO RODAYNE, N. C.	NO COMMERCE REPORTED			
CHANNEL TO BOGE INLET, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	243		
	0912 SHELLFISH, EXCEPT PREPARED	539		
	TOTAL	782		16,720
DRUM INLET, N. C.				632
EDENTON HARBOR, N. C.	1499 NONMETALLIC MINERALS, NEC	416		
	2415 PULPWOOD, LOG	96,102		
	TOTAL	96,518	96,518	
FAR CULEX, N. C.	0111 SOYBEANS	1,340		
	0911 FRESH FISH, EXCEPT SHELLFISH	431		
	0912 SHELLFISH, EXCEPT PREPARED	7		
	TOTAL	1,778	5,334	
KROUSE CREEK, N. C.	2415 WOOD CHIPS, STAVES, MOLDINGS	52,886	57,846	
LOOKOUTS RIVER, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	103		
	0912 SHELLFISH, EXCEPT PREPARED	681		
	TOTAL	784	9,854	
MAKAY CREEK, N. C.	NO COMMERCE REPORTED			
MAVUS HARBOR, N. C.	NO COMMERCE REPORTED			
MAVUS (SHALL) HARBOR, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	17,547		
	0912 SHELLFISH, EXCEPT PREPARED	666		
	TOTAL	18,213	81,056	2,160
NEUSE RIVER, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	2,796		
	0912 SHELLFISH, EXCEPT PREPARED	1,829		
	1402 SAND, GRAVEL, CRUSHED ROCK	5,000		
	1499 NONMETALLIC MINERALS, NEC	1,808		
	2871 NITROGENOUS CHEM FERTILIZERS	17,576		
	2912 JET FUEL	2,749		
	2915 RESIDUAL FUEL OIL	42,112		
	3721 AIRCRAFT AND PARTS	27		
	TOTAL	73,897	2,395,483	632
NEW RIVER, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	83		
	0912 SHELLFISH, EXCEPT PREPARED	775		
	TOTAL	858		120
ONCHACHE INLET, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	4,382		
	0912 SHELLFISH, EXCEPT PREPARED	621		
	TOTAL	4,963	9,926	20,400
PERDUE RIVER, N. C.	NO COMMERCE REPORTED			
RODAYNE RIVER, N. C.	0911 FRESH FISH, EXCEPT SHELLFISH	569		
	0912 SHELLFISH, EXCEPT PREPARED	205		
	1499 NONMETALLIC MINERALS, NEC	857		
	2415 PULPWOOD, LOG	172,131		

## OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
ROANOKE RIVER, N. C. (CONTINUED)-----	2071 NITROGENOUS CHEM FERTILIZERS-----	1,362	-----	-----
	2018 RESIDUAL FUEL OIL-----	32,607	-----	-----
	TOTAL-----	207,331	7,203,249	-----
ROLLINSON CHANNEL, N. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	85	253	-----
SCUPPERNONG RIVER, N. C.-----	NO COMMERCE REPORTED	-----	-----	-----
SHALLOTTE RIVER, N. C.-----	0912 SHELLFISH, EXCEPT PREPARED-----	286	2,574	-----
SILVER LAKE HARBOR, N. C.-----	-----	-----	-----	200,310
SMITHS CREEK (PAMLICO COUNTY), N. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,035	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,446	-----	-----
	TOTAL-----	3,481	31,329	-----
SMITHS CREEK (WILMINGTON), N. C.-----	NO COMMERCE REPORTED	-----	-----	-----
SOUTH RIVER, N. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1	-----	-----
	TOTAL-----	2	24	-----
STUMPY POINT BAY, N. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,269	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	103	-----	-----
	TOTAL-----	2,372	4,744	-----
TRENT RIVER, N. C.-----	1499 NONMETALLIC MINERALS, NEC-----	1,808	1,808	632
MANCHESE HARBOR, N. C. (INCLUDED IN WANTED (SHALLOWBAG) BAY, N. C.)-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	7,414	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1	-----	-----
	TOTAL-----	7,415	7,415	2,160
WATERWAY - NORFOLK, VA, TO SOUNDS OF NORTH CAROLINA-----	0111 SOYBEANS-----	1,340	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	306	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	665	-----	-----
	TOTAL-----	2,311	47,094	-----
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, N. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	9,523	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,617	-----	-----
	TOTAL-----	11,340	114,928	15,514
WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, N. C.---	0911 FRESH FISH, EXCEPT SHELLFISH-----	134	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1	-----	-----
	TOTAL-----	135	270	33,337
WRIGHTS CREEK, N. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	166	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	12	-----	-----
	TOTAL-----	172	172	-----

# CHARLESTON, SC, DISTRICT

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ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (CHARLESTON DISTRICT)

SECTION INCLUDED: FROM LITTLE RIVER, S. C. TO PORT ROYAL SOUND, S. C., WITH A BRANCH CHANNEL TO MCCLELLANVILLE, S. C. CONTROLLING  
DEPTH: 9.1 FEET AT MEAN LOW WATER FOR 90' WIDTH FROM LITTLE RIVER TO WINYAH BAY; 6.0 FEET FOR 90' WIDTH FROM WINYAH BAY TO CHARLESTON;  
4.8 FEET FOR 90' WIDTH IN MCCLELLANVILLE BRANCH CHANNEL AND 4.2 FEET FOR 90' WIDTH FROM CHARLESTON TO PORT ROYAL SOUND. PROJECT  
DEPTH: 12 FEET AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	1,659,147	26,213	1983-----	709,993	59,691
1979-----	1,981,035	52,319	1984-----	462,921	37,498
1980-----	1,417,224	17,524	1985-----	446,604	26,419
1981-----	1,264,971	99,004	1986-----	492,441	18,402
1982-----	553,552	84,482	1987-----	588,876	5,016

## FREIGHT TRAFFIC, 1987

### OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC COASTWISE	
		THROUGH	
		SHIPMENTS	SOUTHBOUND
TOTAL-----	4,446	225	4,100
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,571		121
3611 ELECTRICAL MACH AND EQUIP-----	1,100		1,100
3731 SHIPS AND BOATS-----	300		300
3791 MISC TRANSPORTATION EQUIPMENT-----	475	225	250
TON-MILES, OCEANGOING, 919,710.			

### INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	NORTHBOUND	THROUGH		SOUTHBOUND	INBOUND	OUTBOUND	THROUGH
			NORTHBOUND	NORTHBOUND		SOUTHBOUND	SOUTHBOUND	SOUTHBOUND
TOTAL-----	584,430	22,427	89,512	3,500	228,469	610	10,349	564
0911 FRESH FISH, EXCEPT SHELLFISH-----	76		4		37		21	14
0912 SHELLFISH, EXCEPT PREPARED-----	11,326	102	554		214	145	10,265	43
1121 COAL AND LIGNITE-----	2,952							2,952
1482 SAND, GRAVEL, CRUSHED ROCK-----	17,404							17,404
2061 SUGAR-----	4,653				4,653			
2211 BASIC TEXTILE PRODUCTS-----	3,576				800			2,776
2411 LUGS-----	54,100	22,100	32,000					
2414 TIMBER, POSTS, POLES, PILING-----	13	13						
2421 LUMBER-----	891				862			29
2631 PAPER AND PAPERBOARD-----	73,921			1,329	66,399			6,193
2691 PULP AND PAPER PRODUCTS, NEC-----	40,708							40,708
2810 SODIUM HYDROXIDE-----	6,752				700			6,052
2813 ALCOHOLS-----	2,400				2,400			
2818 SULPHURIC ACID-----	19,890							19,890
2819 BASIC CHEMICALS AND PROD, NEC-----	20,400				20,400			
2871 NITROGENOUS CHEM FERTILIZERS-----	1,329							1,329
2911 GASOLINE-----	13,640				13,640			
2912 JET FUEL-----	56,609			1,696				
2914 DISTILLATE FUEL OIL-----	5,724				4,324			1,400
2915 RESIDUAL FUEL OIL-----	31,336				26,119			5,217
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,090				1,090			
2918 ASPHALT, TAR, AND PITCHES-----	2,363				2,363			
2920 COKE, PETROLEUM COKE-----	9,452							9,452
3291 MISC NONMETALLIC MINERAL PROD-----	5,305					5		5,300
3314 IRON AND STEEL PRIMARY FORMS-----	13,370				1,514			11,851
3315 IRON, STEEL SHAPES, EXC SHEET-----	116,545				62,286			54,257
3317 IRON AND STEEL PIPE AND TUBE-----	3,669				3,669			
3318 FERROALLOYS-----	3,779				3,779			
3319 IRON AND STEEL PRODUCTS, NEC-----	100	100						
3411 FABRICATED METAL PRODUCTS-----	546			350	112			34
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,690	112	305		48	60	40	853
3611 ELECTRICAL MACH AND EQUIP-----	53				29			24
3711 MOTOR VEHICLES, PARTS, EQUIP-----	20						20	
3721 AIRCRAFT AND PARTS-----	46				22		20	4
3731 SHIPS AND BOATS-----	486					400		86
3791 MISC TRANSPORTATION EQUIPMENT-----	163			125	40			
4011 IRON AND STEEL SCRAP-----	47,359				12,079			35,280
4112 COMMODITIES, NEC-----	6,806				683			5,923
TON-MILES, INTERNAL, 76,615,498.								

TONS, ALL TRAFFIC, 588,876.

TON-MILES, ALL TRAFFIC, 77,535,198.

## Waterborne Commerce of the United States, 1987

## GEORGETOWN HARBOR, S. C. (WINYAH BAY)

SECTION INCLUDED: ATLANTIC OCEAN ENTRANCE TO WINYAH BAY, S. C., TO AND INCLUDING TURNING BASIN IN SAMPIT RIVER AT THE CITY OF GEORGETOWN, S. C. CONTROLLING DEPTH: 26.3 FEET AT MEAN LOW WATER FOR 400-FOOT WIDTH FROM THE OCEAN THROUGH THE GORGE CHANNEL; THENCE 24.1 FEET FOR 300-FOOT WIDTH TO MOUTH OF SAMPIT RIVER; THENCE 25.7 FEET FOR 300-FOOT WIDTH TO HEAD OF THE PROJECT; SAMPIT RIVER BYPASS CHANNEL 6.7 FEET FOR 100-FOOT WIDTH. PROJECT DEPTH 27 FEET AT MEAN LOW WATER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	1,146,490	25,540	598,784	1983-----	352,806	51,554	288,180
1979-----	1,361,686	41,919	646,583	1984-----	248,633	36,732	267,187
1980-----	1,045,361	15,582	537,123	1985-----	400,133	25,200	236,746
1981-----	746,157	38,218	537,283	1986-----	458,976	15,508	191,554
1982-----	271,246	36,675	284,837	1987-----	677,959	4,528	220,274

## FREIGHT TRAFFIC, 1987

## (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	677,959	463,020	55,027	53,656	106,256
0161 ANIMALS AND PRODUCTS, NEC-----	17	17			
0911 FRESH FISH, EXCEPT SMELFISH-----	59			59	
0912 SHELLFISH, EXCEPT PREPARED-----	284			284	
1011 IRON ORE AND CONCENTRATES-----	353,999	353,999			
1491 SALT-----	12,146	12,146			
1499 NONMETALLIC MINERALS, NEC-----	8,993	8,993			
2611 MEAT, FRESH, CHILLED, FROZEN-----	74		74		
2211 BASIC TEXTILE PRODUCTS-----	101		101		
2421 LUMBER-----	73,802	73,808	194		
2431 VEVEER, PLYWOOD, WOODEN WOOD-----	305	305			
2491 WOOD MANUFACTURES, NEC-----	388		388		
2511 FURNITURE AND FIXTURES-----	22	12	10		
2611 PULP-----	49,804		49,804		
2621 STANDARD VEASPRINT PAPER-----	324	324			
2631 PAPER AND PAPERBOARD-----	9,251	1,866	1,192	1,450	4,743
2691 PULP AND PAPER PRODUCTS, NEC-----	41,133	392	33		40,708
2819 BASIC CHEMICALS AND PROD, NEC-----	74	74			
2821 PLASTIC MATERIALS-----	71	24	47		
2823 SYNTHETIC (MAN-MADE) FIBERS-----	493		493		
2851 PAINTS-----	3	3			
2891 MISCELLANEOUS CHEMICAL PROD-----	353	85	268		
2915 RESIDUAL FUEL OIL-----	2,840			2,840	
3011 RUBBER AND MISC PLASTIC PROD-----	64		64		
3211 GLASS AND GLASS PRODUCTS-----	18		18		
3281 CUT STONE AND STONE PRODUCTS-----	23	23			
3291 MISC NONMETALLIC MINERAL PROD-----	2		2		
3314 IRON AND STEEL PRIMARY FORMS-----	13,370				13,370
3315 IRON, STEEL SHAPES, EXC SHEET-----	49,080			1,645	47,435
3318 FERROALLOYS-----	10,643	10,843			
3411 FABRICATED METAL PRODUCTS-----	48	25		19	
3511 MACHINERY, EXCEPT ELECTRICAL-----	264	236	48		
3611 ELECTRICAL MACH AND EQUIP-----	26	28			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	16		16		
3721 AIRCRAFT AND PARTS-----	1		1		
3731 SHIPS AND BOATS-----	13		13		
3911 MISC MANUFACTURED PRODUCTS-----	12	12			
4011 IRON AND STEEL SCRAP-----	47,359			47,359	
4012 NONFERROUS METAL SCRAP-----	2,200		2,200		
4022 TEXTILE WASTE, SCRAP, SWEED-----	10		10		
4112 COMMODITIES, NEC-----	32	5	27		
7999 DEPARTMENT OF DEFENSE AND SCI-----	4		4		
TOTAL TON-MILES,-----	10,907,054				

## CHARLESTON HARBOR, S. C. (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEP CREEK AND SHIPYARD RIVER, S. C.)

SECTION INCLUDED: OCEAN TO GOOSE CREEK VIA COOPER RIVER AND TONY CREEK TO THE STANDARD WHARF ON ASHLEY RIVER TO THE MOUNT PLEASANT MEMORIAL HIGHWAY BRIDGE ON SHEP CREEK TO THE AIRCO ALLOYS WHARF ON SHIPYARD RIVER. CONTROLLING DEPTH: 37.5 FEET FOR 800-FOOT WIDTH ACROSS THE ENTRANCE CHANNEL; THENCE 38.0 FEET FOR PROJECT WIDTHS TO HEAD OF PROJECT (7.4 MILES); SHIPYARD RIVER 36.0 FEET TO HEAD OF PROJECT (1.2 MILES); WANDU RIVER CONTROLLING DEPTH FOR 400 FOOT WIDTHS TO HEAD OF PROJECT. PROJECT DEPTH: CHARLESTON HARBOR 35.0 FEET; SHEP CREEK 10.0 FEET; ASHLEY RIVER 30.0 FEET; SHIPYARD RIVER 30.0 FEET; WANDU RIVER 35 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	10,841,487	303,375	299,399	1983-----	7,396,234	371,630	296,929
1979-----	10,055,566	302,049	302,673	1984-----	8,086,893	401,974	211,708
1980-----	9,096,714	293,062	258,084	1985-----	9,881,749	442,720	191,845
1981-----	8,845,162	345,414	332,197	1986-----	9,158,413	473,160	185,094
1982-----	8,850,864	372,354	254,268	1987-----	9,907,313	582,678	259,105

CHARLESTON HARBOR, S. C. (INCLUDING ASHLEY RIVER,  
COOPER RIVER, SHEN CREEK AND SHIPYARD RIVER, S. C.)--CONTINUED

FREIGHT TRAFFIC, 1967

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
TOTAL-----	8,907,313	2,995,535	2,561,993	3,021,697	158,486	52,167	28,859	88,556	
0101 COTTON, RAW-----	24,606		24,365		241				
0102 BARLEY AND RYE-----	53		53						
0103 CORN-----	176		176						
0105 RICE-----	2,220	425	1,513		282				
0107 WHEAT-----	149,568		149,568						
0111 SOYBEANS-----	1,955		1,955						
0119 OILSEEDS, NEC-----	57,111	21	57,090						
0121 TOBACCO, LEAF-----	20,450	7,219	13,231						
0122 HAY AND FORAGE-----	1,132		1,132						
0129 FIELD CROPS, NEC-----	993	110	883						
0131 FRESH FRUITS-----	3,065	2	2,944	45	74				
0132 BANANAS AND PLANTAINS-----	218,353	218,353							
0133 COFFEE-----	14,977	9,928	2,416	1,936	697				
0134 COCOA BEANS-----	150	115	35						
0141 FRESH AND FROZEN VEGETABLES-----	1,021	114	221	439	247				
0151 LIVE ANIMALS-----	5		3	2					
0161 ANIMALS AND PRODUCTS, NEC-----	15,879	14,048	1,213	156	462				
0191 MISCELLANEOUS FARM PRODUCTS-----	1,903	631	267	789	216				
0841 CRUDE RUBBER AND ALLIED GUMS-----	37,509	37,251	161		97				
0861 FOREST PRODUCTS, NEC-----	5,651	3,768	1,268	511	104				
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,769	1,139	59	807	238	1,526			
0912 SHELLFISH, EXCEPT PREPARED-----	6,210	256		15	15	5,924			
0931 MARINE SHELLS, UNMANUFACTURED-----	46	44	2						
1051 ALUMINUM ORES, CONCENTRATES-----	402,492	402,469	23						
1091 NONFERROUS ORES, CONCENT, NEC-----	235,970	231,390	4,580						
1121 COAL AND LIGNITE-----	568,645		565,693			2,952			
1311 CRUDE PETROLEUM-----	39,296	39,296							
1411 LIMESTONE-----	152	22	130						
1412 BUILDING STONE, UNWORKED-----	39		39						
1422 SAND, GRAVEL, CRUSHED ROCK-----	48,163	36,541	2,056	23	543		9,000		
1451 CLAY-----	184,410	30,199	154,090	46	75				
1471 PHOSPHATE ROCK-----	247		247						
1479 NATURAL FERTILIZER MATS, NEC-----	123	123							
1491 SALT-----	303	213			90				
1492 SULPHUR, DRY-----	191		191						
1494 GYPSUM, CRUDE AND PLASTERS-----	84,873	84,836	37						
1499 NONMETALLIC MINERALS, NEC-----	13,064	3,290	9,431	321	22				
1911 ORDNANCE AND ACCESSORIES-----	1,615	1,606	9						
2011 MEAT, FRESH, CHILLED, FROZEN-----	23,564	14,910	5,948	162	2,544				
2012 MEAT AND PRODUCTS, NEC-----	5,812	3,341	636	393	1,442				
2014 TALLOW, ANIMAL FATS AND OILS-----	24		24						
2015 ANIMAL BY-PRODUCTS, NEC-----	1,516	516	1,000						
2021 DAIRY PRODUCTS, NEC-----	313	169	44	81	19				
2022 DRIED MILK AND CREAM-----	304	163	31	66	44				
2031 FISH AND SHELLFISH, PREPARED-----	30,023	3,099	89	17,422	9,413				
2034 VEGETABLES AND PREP, NEC-----	15,513	11,666	1,268	2,289	290				
2039 PREP FRUIT AND VEG JUICE, NEC-----	53,601	49,620	3,100	773	108				
2041 WHEAT FLOUR AND SEMOLINA-----	31		8		23				
2042 ANIMAL FEEDS-----	5,759	245	5,204		310				
2049 GRAIN MILL PRODUCTS, NEC-----	17,001	3,014	13,332	87	568				
2061 SUGAR-----	95	6	43		46				
2081 ALCOHOLIC BEVERAGES-----	76,496	47,302	7,426	11,279	10,489				
2091 VEGETABLE OILS, MARG, SHORT-----	7,682	1,202	5,493	186	801				
2092 ANIMAL OILS AND FATS, NEC-----	542	498	13		31				
2094 GROCERIES-----	14				14				
2095 ICE-----	2,583	2,583							
2099 MISCELLANEOUS FOOD PRODUCTS-----	38,172	7,584	17,427	6,425	6,736				
2111 TOBACCO MANUFACTURES-----	4,067	321	3,279	507	160				
2111 BASIC TEXTILE PRODUCTS-----	200,536	116,059	69,867	832	12,178	1,600			
2122 TEXTILE FIBERS, NEC-----	6,343	3,793	99	214	2,237				
2131 APPAREL-----	21,591	9,868	1,224	5,741	4,758				
2611 LOGS-----	8,267	44	7,196		1,027				
2613 FUEL WOOD, CHARCOAL, WASTES-----	656	20	506		130				
2614 TIMBER, POSTS, POLES, PILING-----	127		47		80				
2621 LUMBER-----	97,801	42,728	52,573	20	2,480				
2631 VENEER, PLYWOOD, WORKED WOOD-----	180,359	178,848	1,229	18	264				
2691 WOOD MANUFACTURES, NEC-----	31,359	4,359	26,617	356	27				
2511 FURNITURE AND FIXTURES-----	37,614	33,115	1,692	669	2,138				
2611 PULP-----	233,255	2,365	230,890						
2621 STANDARD NEWSPRINT PAPER-----	16,662	9,979	6,683						
2631 PAPER AND PAPERBOARD-----	352,000	54,967	296,859	130	44				
2691 PULP AND PAPER PRODUCTS, NEC-----	23,431	3,396	6,665	8,305	5,065				
2711 PRINTED MATTER-----	3,845	1,681	1,472	484	208				
2810 SODIUM HYDROXIDE-----	33,651			32,951		700			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	14,002	13,864	138						
2812 DYES, PIGMENT, TANNING MATS-----	1,195		791	211	193				
2813 ALCOHOLS-----	44,875	44,252	600		23				
2816 RADIOACTIVE MATERIALS, WASTES-----	13	12	1						
2817 BENZENE AND TOLUENE-----	38		38						
2818 SULPHURIC ACID-----	572			462	110				
2819 BASIC CHEMICALS AND PROD, NEC-----	938,134	71,945	312,196	547,380	6,613				
2821 PLASTIC MATERIALS-----	133,511	42,255	88,079	1,442	1,735				
2822 SYNTHETIC RUBBER-----	14,302	791	12,091	1,420					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	91,222	19,973	67,316	4	3,929				
2831 DRUGS-----	4,432	1,709	1,709	915	99				
2841 SOAP-----	20,005	5,321	11,574	882	2,228				
2851 PAINTS-----	29,740	28,417	911	134	278				
2861 GUM AND WOOD CHEMICALS-----	13,657	888	12,543		226				
2871 NITROGENOUS CHEM FERTILIZERS-----	40,765	35,989	3,387			1,329			
2872 POTASSIC CHEM FERTILIZERS-----	55,921	55,921							
2873 PHOSPHATIC CHEM FERTILIZERS-----	15	15							



## Waterborne Commerce of the United States, 1987

CHARLESTON HARBOR, S. C. (INCLUDING ASHLEY RIVER,  
COOPER RIVER, SHEW CREEK AND SHIPYARD RIVER, S. C.)--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2876 INSECTICIDES, DISINFECTANTS-----	10,100	3,162	6,765	89	84	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,017	781	195	-----	41	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	40,649	25,472	12,867	1,596	714	-----	-----	-----
2911 GASOLINE-----	1,101,295	94,503	147	992,406	1,539	12,700	-----	-----
2912 JET FUEL-----	6,522	-----	-----	-----	-----	-----	6,522	-----
2913 KEROSENE-----	25,266	-----	-----	25,266	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	428,296	-----	484	424,985	-----	-----	2,827	-----
2915 RESIDUAL FUEL OIL-----	420,499	62,308	-----	261,830	1,272	4,030	3,384	87,675
2916 LUBRICATING OILS AND GREASES-----	298,210	383	4,005	293,715	107	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	14,688	-----	55	14,633	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	234,902	19	230	234,653	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	10,679	-----	1,227	-----	-----	9,452	-----	-----
2921 LIQUEFIED GASES-----	19	13	6	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	585	-----	45	-----	540	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,598	1,893	65	230	410	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	73,715	55,095	13,047	2,789	2,784	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	11,931	8,202	2,559	1,165	5	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	31,136	12,530	17,823	276	507	-----	-----	-----
3241 BUILDING CEMENT-----	60,980	60,869	2	22	87	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	39,048	13,288	2,145	13,499	10,116	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	11,410	10,479	250	613	68	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	19,783	8,882	5,191	218	192	5,300	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	26	-----	8	18	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	91,835	75,407	416	8,610	3,510	3,892	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	1,243	87	629	59	468	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	16,516	15,323	428	714	51	-----	-----	-----
3318 FERROALLOYS-----	4,833	161	693	-----	-----	-----	3,779	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	27,951	25,578	2,280	50	43	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	2,067	665	1,159	-----	243	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	85,594	83,989	1,267	336	2	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,848	637	1,211	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	19,285	14,291	3,832	795	367	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	135,075	106,007	8,417	18,136	2,125	365	25	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	171,227	110,193	56,512	2,590	1,632	-----	300	-----
3611 ELECTRICAL MACH AND EQUIP-----	79,860	37,829	31,189	10,058	736	24	24	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	84,739	67,211	16,434	233	861	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	178	55	90	4	14	-----	15	-----
3731 SHIPS AND BOATS-----	5,412	647	3,850	851	64	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,875	771	1,090	-----	14	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	4,863	3,063	1,251	45	504	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	43,906	20,885	1,521	13,195	9,105	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	15,234	-----	15,194	40	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	20,127	1,231	17,729	1,167	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	19,936	993	18,643	136	164	-----	-----	-----
4023 PAPER WASTE AND SCRAP-----	23,714	162	23,552	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	123	-----	-----	14	109	-----	-----	-----
4112 COMMODITIES, NEC-----	120,542	21,049	7,340	48,399	37,497	2,393	2,983	881
9999 DEPARTMENT OF DEFENSE AND SCI-----	6,643	-----	6,643	-----	-----	-----	-----	-----

SHIPYARD RIVER, S. C. (INCLUDED IN CHARLESTON HARBOR, S. C.)

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	879,748	1983-----	950,638
1979-----	922,055	1984-----	1,137,910
1980-----	865,425	1985-----	1,598,866
1981-----	952,920	1986-----	1,788,173
1982-----	620,711	1987-----	1,518,974

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	1,518,974	614,988	565,890	296,228	2,811	16,157	12,779	10,125
1051 ALUMINUM ORES, CONCENTRATES-----	24,122	24,122	-----	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	225,070	225,070	-----	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	568,645	-----	565,693	-----	-----	2,952	-----	-----
1311 CRUDE PETROLEUM-----	39,296	39,296	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	45,200	36,200	-----	-----	-----	-----	9,000	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	84,806	84,806	-----	-----	-----	-----	-----	-----
2311 APPAREL-----	89	-----	89	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	21	-----	21	-----	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	7,576	-----	-----	6,870	-----	740	-----	-----
2813 ALCOHOLS-----	41,599	41,599	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	50	50	-----	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	42	-----	42	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	35,826	35,826	-----	-----	-----	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	53,719	53,719	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	178,758	-----	-----	174,470	1,539	2,749	-----	-----
2914 DISTILLATE FUEL OIL-----	40,442	-----	-----	40,442	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	31,364	13,504	-----	6,159	1,272	304	-----	10,125

CHARLESTON, SC, DISTRICT

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SHIPYARD RIVER, S. C. (INCLUDED IN CHARLESTON HARBOR, S. C.)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2916 LUBRICATING OILS AND GREASES.....	68,287	.....	.....	68,287	.....	.....	.....	.....
2920 COKE, PETROLEUM COKE.....	9,452	.....	.....	.....	.....	9,452	.....	.....
3201 BUILDING CEMENT.....	68,798	68,798	.....	.....	.....	.....	.....	.....
3310 FERROALLOYS.....	3,779	.....	.....	.....	.....	.....	.....	.....
3511 MACHINERY, EXCEPT ELECTRICAL.....	21	.....	2	.....	.....	.....	.....	.....
3611 ELECTRICAL MACH AND EQUIP.....	25	.....	19	.....	.....	.....	.....	.....
3711 MOTOR VEHICLES, PARTS, EQUIP.....	1	.....	.....	.....	.....	.....	.....	.....
TOTAL TON-MILES,	1,518,974.							

## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
ASHLEY RIVER, S. C. (INCLUDED IN CHARLESTON HARBOR, S. C.)--	2915 RESIDUAL FUEL OIL-----	508	3,048	475,422
EDISTO RIVER, S. C.-----	NO COMMERCE REPORTED			
GREAT PEE DEE RIVER, S. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	8		
	0912 SHELLFISH, EXCEPT PREPARED-----	70		
	TOTAL-----	78	276	
PORT ROYAL HARBOR, S. C.-----	0912 SHELLFISH, EXCEPT PREPARED-----	254		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	7,648		
	1451 CLAY-----	1,781		
	1494 GYPSUM, CRUDE AND PLASTERS-----	44,117		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	446		
	2411 LOGS-----	4,291		
	2421 LUMBER-----	12,929		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	535		
	2491 WOOD MANUFACTURES, NEC-----	46		
	2511 FURNITURE AND FIXTURES-----	1		
	2611 PULP-----	7,221		
	2631 PAPER AND PAPERBOARD-----	76,707		
	2819 BASIC CHEMICALS AND PROD, NEC-----	1,249		
	2891 MISCELLANEOUS CHEMICAL PROD-----	1		
	2915 RESIDUAL FUEL OIL-----	605		
	3011 RUBBER AND MISC PLASTIC PROD-----	3		
	3111 LEATHER AND LEATHER PRODUCTS-----	25		
	3312 SLAG-----	11,539		
	3321 NONFERROUS METALS, NEC-----	97		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	4		
	3611 ELECTRICAL MACH AND EQUIP-----	67		
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	1		
	3911 MISC MANUFACTURED PRODUCTS-----	3		
	4024 PAPER WASTE AND SCRAP-----	2,098		
	4112 COMMODITIES, NEC-----	188		
	TOTAL-----	171,856		
SANTEE RIVER, S. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	11		
	0912 SHELLFISH, EXCEPT PREPARED-----	83		
	TOTAL-----	94	7,050	
VILLAGE CREEK, S. C.-----	0912 SHELLFISH, EXCEPT PREPARED-----	405		
WACCAMAN RIVER, N. C. AND S. C.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	14	588	244

# SAVANNAH, GA, DISTRICT

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## SAVANNAH HARBOR, GEORGIA

SECTION INCLUDED: FROM THE 40-FOOT CONTOUR IN THE OCEAN TO THE CONTINENTAL CAN COMPANY PLANT, 32.15 MILES. CONTROLLING DEPTHS: FOR MID-CHANNEL, HALF PROJECT WIDTH, 40 FEET OVER THE BAR CHANNEL; THENCE 38 FEET TO THE GEORGIA PORTS AUTHORITY OCEAN TERMINAL; THENCE 38 FEET TO THE GEORGIA PORTS AUTHORITY GARDEN CITY TERMINAL; THENCE 36 FEET TO THE ATLANTIC CHESOTING COMPANY; AND 30 FEET TO THE CONTINENTAL CAN COMPANY PLANT. PROJECT DEPTH: 40 FEET OVER THE BAR CHANNEL, 8.71 MILES; 38 FEET TO ABOVE GEORGIA PORTS AUTHORITY GARDEN CITY TERMINAL, 21.59 MILES; 36 FEET TO THE ATLANTIC CHESOTING COMPANY, 1.04 MILES; 30 FEET TO ABOVE CONTINENTAL CAN COMPANY, 1.33 MILES. NAVIGATION SEASON: ENTIRE YEAR.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	11,425,956	76,553	1983-----	17,610,367	95,603
1979-----	13,527,771	69,374	1984-----	11,245,804	97,144
1980-----	12,293,179	74,237	1985-----	11,326,551	119,360
1981-----	12,707,864	72,280	1986-----	12,041,148	112,230
1982-----	10,975,740	69,134	1987-----	13,201,866	125,544

### FREIGHT TRAFFIC, 1987

#### (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS		
TOTAL-----	13,201,806	6,153,495	4,238,914	1,677,947	633,820	97,258	227,588
0101 COTTON, RAW-----	15,473		15,473				
0102 BARLEY AND RYE-----	202		202				
0103 CORN-----	8,640		8,640				
0104 OATS-----	164		164				
0105 RICE-----	10,702	535	10,167				
0106 SORGHUM GRAINS-----	228		228				
0107 WHEAT-----	145,370		145,370				
0111 SOYBEANS-----	30,611		30,611				
0119 OILSEEDS, NEC-----	53,443	36	53,407				
0121 TOBACCO, LEAF-----	9,590	5,600	3,990				
0129 FIELD CROPS, NEC-----	912	272	640				
0131 FRESH FRUITS-----	63,060	42	63,018				
0132 BANANAS AND PLANTAINS-----	11	11					
0133 COFFEE-----	15,261	13,396	1,865				
0134 COCOA BEANS-----	112	112					
0141 FRESH AND FROZEN VEGETABLES-----	3,324	1,619	1,705				
0151 LIVE ANIMALS-----	323		323				
0161 ANIMALS AND PRODUCTS, NEC-----	5,247	1,446	3,801				
0191 MISCELLANEOUS FARM PRODUCTS-----	4,353	1,640	2,513				
0841 CRUDE RUBBER AND ALLIED GUMS-----	57,011	55,127	1,884				
0861 FOREST PRODUCTS, NEC-----	6,321	4,718	1,603				
0911 FRESH FISH, EXCEPT SHELLFISH-----	7,729	7,317	369		43		
0912 SHELLFISH, EXCEPT PREPARED-----	1,719	1,238	481				
0931 MARINE SHELLS, UNMANUFACTURED-----	80	53	27				
1011 IRON ORE AND CONCENTRATES-----	85,815	85,815					
1051 ALUMINUM DRES, CONCENTRATES-----	56,654	55,637	1,017				
1091 NONFERROUS DRES, CONCENT, NEC-----	35,290	30,315	4,975				
1121 COAL AND LIGNITE-----	225	1	224				
1311 CRUDE PETROLEUM-----	1,295,034	1,295,034					
1411 LIMESTONE-----	32,265	32,245	20				
1412 BUILDING STONE, UNWORKED-----	23,569		23,569				
1442 SAND, GRAVEL, CRUSHED ROCK-----	236,766	226,434	10,334				
1451 CLAY-----	1,845,397	271,155	1,574,242				
1471 PHOSPHATE ROCK-----	98		98				
1491 SALT-----	1,755	27	1,758				
1492 SULPHUR, DRY-----	340		340				
1493 SULPHUR, LIQUID-----	45,233		45,233				
1494 GYPSUM, CRUDE AND PLASTERS-----	565,483	565,116	367				
1899 NONMETALLIC MINERALS, NEC-----	24,519	3,359	21,160				
1911 ORDNANCE AND ACCESSORIES-----	207	206	1				
2011 MEAT, FRESH, CHILLED, FROZEN-----	32,961	2,264	30,640		57		
2012 MEAT AND PRODUCTS, NEC-----	8,307	8,078	229				
2014 TALLOW, ANIMAL FATS AND OILS-----	1,066		1,066				
2015 ANIMAL BY-PRODUCTS, NEC-----	3,586	9	3,577				
2021 DAIRY PRODUCTS, NEC-----	265	41	224				
2022 DRIED MILK AND CREAM-----	20,394	122	20,272				
2031 FISH AND SHELLFISH, PREPARED-----	5,232	4,137	1,095				
2034 VEGETABLES AND PREP, NEC-----	25,656	22,605	3,051				
2039 PREP FRUIT AND VEG JUICE, NEC-----	40,887	22,942	23,808		137		
2041 WHEAT FLOUR AND SEMOLINA-----	216		216				
2042 ANIMAL FEEDS-----	4,520	687	3,809		24		
2049 GRAIN MILL PRODUCTS, NEC-----	7,276	3,593	3,683				
2061 SUGAR-----	366,206	137,272	80	224,201			
2062 MOLASSES-----	10,555	10,555					
2081 ALCOHOLIC BEVERAGES-----	33,539	32,653	886				
2091 VEGETABLE OILS, MARG, SHORT-----	65,411	51,814	10,987	2,610			
2092 ANIMAL OILS AND FATS, NEC-----	401	401					
2095 ICE-----	7,315	4,315					
2099 MISCELLANEOUS FOOD PRODUCTS-----	54,437	11,424	42,931	78			
2111 TOBACCO MANUFACTURES-----	9,610	547	9,248		15		
2211 BASIC TEXTILE PRODUCTS-----	216,836	142,020	72,628		203	1,176	800
2212 TEXTILE FIBERS, NEC-----	9,064	9,064					
2311 APPAREL-----	15,022	13,976	1,001		43		
2411 LOGS-----	5,441	604	4,837				
2413 FUEL WOOD, CHARCOAL, WASTES-----	811		811				
2414 TIMBER, POSTS, POLES, PILING-----	8,178		8,178				
2416 WOOD CHIPS, STAVES, MOLTINGS-----	541	1	540				
2421 LUMBER-----	188,085	122,322	65,734		29		
2431 VENEER, PLYWOOD, WORKED WOOD-----	50,584	43,615	6,969				

## SAVANNAH HARBOR, GEORGIA--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS	
2491 WOOD MANUFACTURES, NEC	22,552	8,757	13,795			
2511 FURNITURE AND FIXTURES	46,584	43,208	3,351		25	
2611 PULP	636,914	110,246	526,668			
2621 STANDARD NEWSPRINT PAPER	24,469	23,165	1,304			
2631 PAPER AND PAPERBOARD	521,225	34,952	426,860		4,783	52,670
2691 PULP AND PAPER PRODUCTS, NEC	57,677	3,609	13,360		40,708	
2711 PRINTED MATTER	1,577	773	804			
2810 SODIUM HYDROXIDE	28,301			20,249	8,052	
2811 CRUDE TAR, OIL, GAS PRODUCTS	10,387	10,339	48			
2812 DYES, PIGMENT, TANNING MATS	550		550			
2813 ALCOHOLS	3,201	1,189	1,424			588
2816 RADIOACTIVE MATERIALS, WASTES	619	79	540			
2817 BENZENE AND TOLUENE	1,404		26	1,378		
2818 SULPHURIC ACID	25,520			5,630	19,890	
2819 BASIC CHEMICALS AND PROD, NEC	576,605	353,529	79,869	107,378	15,429	20,400
2821 PLASTIC MATERIALS	111,393	20,129	91,044	42	178	
2822 SYNTHETIC RUBBER	5,741	51	5,690			
2823 SYNTHETIC (MAN-MADE) FIBERS	44,451	9,055	35,396			
2831 DRUGS	4,892	4,220	654		18	
2841 SOAP	5,413	2,007	3,406			
2851 PAINTS	27,551	24,928	2,623			
2861 GUM AND WOOD CHEMICALS	125,160	1,964	123,196			
2871 NITROGENOUS CHEM FERTILIZERS	234,973	15,563	186,878	28,758		3,774
2872 POTASSIC CHEM FERTILIZERS	152		152			
2876 INSECTICIDES, DISINFECTANTS	13,461	6,126	7,335			
2879 FERTILIZER AND MATERIALS, NEC	1,220	44	1,176			
2891 MISCELLANEOUS CHEMICAL PROD	44,210	16,059	28,151			
2911 GASOLINE	788,178	59,009	20	647,854	15,898	6,259
2912 JET FUEL	91,334		17	39,629		24,030
2914 DISTILLATE FUEL OIL	602,487	134,583	691	369,106	150,677	5,676
2915 RESIDUAL FUEL OIL	544,638	287,775		86,979	29,460	28,650
2916 LUBRICATING OILS AND GREASES	40,607	1,531	2,968	36,108		111,574
2917 NAPHTHA, PETROLEUM SOLVENTS	16,156		133		14,933	1,096
2918 ASPHALT, TAR, AND PITCHES	596,469	175,727	94	2,363	405,158	2,363
2920 COKE, PETROLEUM COKE	26,667	28,154	648			8,401
2921 LIQUEFIED GASES	238	12	226			
2951 ASPHALT BUILDING MATERIALS	422		422			
2991 PETROLEUM AND COAL PROD, NEC	1,793	1,755	38			
3011 RUBBER AND MISC PLASTIC PROD	83,409	69,206	14,097	106		
3111 LEATHER AND LEATHER PRODUCTS	19,615	18,209	1,392	14		
3211 GLASS AND GLASS PRODUCTS	24,547	7,156	17,389			
3241 BUILDING CEMENT	145,370	90,491	22	54,857		
3251 STRUCTURAL CLAY PRODUCTS	23,167	19,456	3,114		597	
3271 LIME	245	239	6			
3281 CUT STONE AND STONE PRODUCTS	20,360	19,290	1,070		20	
3291 MISC NONMETALLIC MINERAL PROD	23,210	17,065	6,145			
3311 PIG IRON	10,961	10,961				
3314 IRON AND STEEL PRIMARY FORMS	6,128	6,113	15			
3315 IRON, STEEL SHAPES, EXC SHEET	420,366	387,593	81			32,692
3316 IRON AND STEEL PLATES, SHEETS	10,872	8,975	1,897			
3317 IRON AND STEEL PIPE AND TUBE	101,360	96,951	965			3,444
3318 FERRIALLOYS	8,433	7,683	770			
3319 IRON AND STEEL PRODUCTS, NEC	6,468	2,816	3,652			
3321 NONFERROUS METALS, NEC	1,657	1,150	707			
3322 COPPER ALLOYS, UNWORKED	45,635	44,169	1,466			
3323 LEAD AND ZINC, UNWORKED	4,136	3,560	576			
3324 ALUMINUM AND ALLOYS, UNWORKED	23,299	18,532	4,767			
3411 FABRICATED METAL PRODUCTS	153,474	143,590	9,720	106	8	50
3511 MACHINERY, EXCEPT ELECTRICAL	239,439	199,351	39,626	6	7	212
3611 ELECTRICAL MACH AND EQUIP	106,251	76,466	29,539	12	234	263
3711 MOTOR VEHICLES, PARTS, EQUIP	72,024	57,917	14,687		20	
3721 AIRCRAFT AND PARTS	245	34	211			
3731 SHIPS AND BOATS	3,011	1,488	1,523			
3791 MISC TRANSPORTATION EQUIPMENT	1,843	1,172	671			
3811 INSTR, TIME, PHOTO, OPT GOODS	10,606	7,167	3,116		323	
3911 MISC MANUFACTURED PRODUCTS	43,667	40,858	2,797	4	8	
4011 IRON AND STEEL SCRAP	13,328		13,328			
4012 NONFERROUS METAL SCRAP	127,905	98,935	28,970			
4022 TEXTILE WASTE, SCRAP, WHEEP	39,353	21	39,332			
4024 PAPER WASTE AND SCRAP	118,333		118,333			
4029 WASTE AND SCRAP, NEC	600				600	
4112 COMMODITIES, NEC	28,956	7,778	12,081	5,246	3,530	
9999 DEPARTMENT OF DEFENSE AND SCI	2,592		2,592			
TOTAL TON-MILES: 259,443,150.						

ATLANTIC INTRACASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (SAVANNAH DISTRICT)SECTION INCLUDED: PORT ROYAL SOUND, S. C., INCLUDES CUMBERLAND SOUND, FLA. CONTROLLING DEPTH: 8 FEET OR GREATER. PROJECT DEPTH:  
12 FEET. NAVIGATION SEASON: ENTIRE YEAR.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978	426,702	46,782	1983	861,043	11,582
1979	616,504	25,960	1984	632,575	13,199
1980	844,659	33,734	1985	612,755	10,070
1981	878,915	30,997	1986	664,680	20,370
1982	684,418	11,875	1987	605,631	25,486

## SAVANNAH, GA, DISTRICT

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ATLANTIC INTRACASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (SAVANNAH DISTRICT)--CONTINUED

FREIGHT TRAFFIC, 1987

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC COASTWISE THROUGH	
		NORTHBOUND	SOUTHBOUND
TOTAL-----	4,221	4,100	121
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,571	2,450	121
3611 ELECTRICAL MACH AND EQUIP-----	1,100	1,100	-----
3731 SHIPS AND BOATS-----	300	300	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	250	250	-----
TON-MILES, OCEANGOING, 683,712.			

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	NORTHBOUND	INBOUND NORTHBOUND	OUTBOUND NORTHBOUND	THROUGH NORTHBOUND	SOUTHBOUND	INBOUND SOUTHBOUND	OUTBOUND SOUTHBOUND	THROUGH SOUTHBOUND
TOTAL-----	601,410	511	2,306	9,987	339,214	884	10,064	40,815	197,629
0911 FRESH FISH, EXCEPT SHELLFISH-----	512	2	48	1	2	28	91	1	339
0912 SHELLFISH, EXCEPT PREPARED-----	3,525	509	450	49	-----	856	361	66	1,214
1442 SAND, GRAVEL, CRUSHED ROCK-----	17,404	-----	-----	-----	-----	-----	9,000	-----	8,404
2061 SUGAR-----	4,653	-----	-----	-----	4,653	-----	-----	-----	-----
2095 ICE-----	2,112	-----	-----	-----	2,112	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	1,976	-----	-----	-----	803	-----	-----	-----	1,176
2421 LUMBER-----	29	-----	-----	-----	-----	-----	-----	-----	29
2631 PAPER AND PAPERBOARD-----	69,891	-----	-----	9,787	55,361	-----	-----	-----	4,743
2691 PULP AND PAPER PRODUCTS, NEC-----	40,768	-----	-----	-----	-----	-----	-----	-----	40,768
2810 SODIUM HYDROXIDE-----	12,252	-----	-----	-----	700	-----	-----	-----	11,552
2813 ALCOHOLS-----	2,968	-----	-----	-----	2,400	-----	-----	-----	568
2818 SULPHURIC ACID-----	19,890	-----	-----	-----	-----	-----	-----	-----	19,890
2819 BASIC CHEMICALS AND PROD, NEC-----	20,400	-----	-----	-----	20,400	-----	-----	-----	-----
2911 GASOLINE-----	42,969	-----	-----	-----	20,099	-----	-----	-----	22,890
2912 JET FUEL-----	50,087	-----	-----	-----	50,087	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	17,112	-----	1,808	-----	12,711	-----	362	-----	2,231
2915 RESIDUAL FUEL OIL-----	127,733	-----	-----	-----	127,199	-----	-----	-----	534
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,090	-----	-----	-----	1,090	-----	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	4,726	-----	-----	-----	4,726	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	11,851	-----	-----	-----	-----	-----	-----	-----	11,851
3315 IRON, STEEL SHAPES, EAC SHEET-----	80,949	-----	-----	-----	20,144	-----	-----	-----	60,805
3317 IRON AND STEEL PIPE AND TUBE-----	3,669	-----	-----	-----	3,669	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	157	-----	-----	-----	87	-----	-----	-----	50
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,668	-----	-----	150	243	-----	230	80	985
3611 ELECTRICAL MACH AND EQUIP-----	5	-----	-----	-----	5	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	20	-----	-----	-----	-----	-----	-----	-----	20
3721 AIRCRAFT AND PARTS-----	11	-----	-----	-----	7	-----	-----	-----	4
3731 SHIPS AND BOATS-----	86	-----	-----	-----	-----	-----	-----	-----	86
3791 MISC TRANSPORTATION EQUIPMENT-----	40	-----	-----	-----	40	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	12,079	-----	-----	-----	12,079	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	41,268	-----	-----	-----	600	-----	40,668	-----	-----
4112 COMMODITIES, NEC-----	3,530	-----	-----	-----	-----	-----	-----	-----	3,530
TON-MILES, INTERNAL, 38,307,205.									
TONS, ALL TRAFFIC, 605,631.									
TON-MILES, ALL TRAFFIC, 38,990,917.									

## BRUNSWICK HARBOR, GEORGIA

SECTION INCLUDED: FROM 32-FOOT CONTOUR IN THE OCEAN ACROSS THE BAR THROUGH ST. SIMON SOUND, BRUNSWICK RIVER, AND TURTLE RIVER TO THE UPPER END OF THE ALLIED CHEMICAL COMPANY'S WHARF, FORMERLY ATLANTIC REFINING COMPANY WHARF, 20.4 MILES; FROM BRUNSWICK RIVER THROUGH EAST RIVER, TO THE UPPER END OF THE PROJECT IN ACADEMY CREEK, 2.7 MILES; FROM ST. SIMON SOUND THROUGH BACK RIVER TO MILL CREEK, THE UPPER END OF BACK RIVER IMPROVEMENT, 2.9 MILES; FROM BACK RIVER THROUGH TERRY CREEK TO THE GLYNN CANNING COMPANY'S WHARF, 1.8 MILES; A TOTAL DISTANCE OF 27.4 MILES. CONTROLLING DEPTH: 31 FEET OVER THE BAR; 28 FEET THROUGH ST. SIMON SOUND, BRUNSWICK RIVER, AND EAST RIVER TO THE FOOT OF SECOND AVENUE (CITY OF BRUNSWICK); 25 FEET IN EAST RIVER FROM SECOND AVENUE TO THE CONFLUENCE WITH ACADEMY CREEK; AND 28 FEET TO ALLIED CHEMICAL COMPANY'S WHARF (TURTLE RIVER), 12 FEET IN ACADEMY CREEK, AND 3.0 FEET IN BACK RIVER, TERRY CREEK 3 FEET, PROJECT DEPTH: 32 FEET OVER THE BAR; 30 FEET IN BRUNSWICK, TURTLE, AND EAST RIVERS TO THE FOOT OF SECOND AVENUE; AND 27 FEET FROM SECOND AVENUE TO ACADEMY CREEK; 24 FEET IN ACADEMY CREEK; 20 FEET IN BACK RIVER, AND 10 FEET IN TERRY CREEK. NAVIGATION SEASON: ENTIRE YEAR.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)	YEAR	TONS	PASSENGERS	ADDITIONAL THROUGH TRAFFIC (TONS)
1978-----	1,820,165	190	72,350	1983-----	1,615,880	-----	193,362
1979-----	1,643,869	-----	141,876	1984-----	1,469,665	8	115,625
1980-----	1,463,584	284	145,087	1985-----	1,577,459	-----	151,026
1981-----	1,462,505	-----	217,792	1986-----	1,371,032	280	226,676
1982-----	1,567,546	157	159,558	1987-----	1,636,222	95	157,406

## BRUNSWICK HARBOR, GEORGIA--CONTINUED

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,636,222	1,128,573	415,948	11,760	75,741	4,200
0101 COTTON, RAW-----	63		63			
0104 OATS-----	61,956	61,956				
0131 FRESH FRUITS-----	2	2				
0911 FRESH FISH, EXCEPT SHELLFISH-----	37				37	
0912 SHELLFISH, EXCEPT PREPARED-----	133	45			88	
1051 ALUMINUM ORES, CONCENTRATES-----	23,472	23,472				
1091 NONFERREROUS ORES, CONCENT, NEC-----	2,718		2,718			
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,220		1,220			
1471 PHOSPHATE ROCK-----	3,128		3,128			
1491 SALT-----	400,489	400,489				
1494 GYPSUM, CRUDE AND PLASTERS-----	436,423	436,423				
1499 NONMETALLIC MINERALS, NEC-----	41	41				
2011 MEAT, FRESH, CHILLED, FROZEN-----	22		22			
2012 MEAT AND PRODUCTS, NEC-----	22	22				
2014 TALLOW, ANIMAL FATS AND OILS-----	21		21			
2022 DRIED MILK AND CREAM-----	1,303		1,303			
2034 VEGETABLES AND PREP, NEC-----	79	78	1			
2042 ANIMAL FEEDS-----	191,666		191,666			
2049 GRAIN MILL PRODUCTS, NEC-----	4,962	2	4,960			
2061 SUGAR-----	11,760			11,760		
2081 ALCOHOLIC BEVERAGES-----	102	102				
2091 VEGETABLE OILS, MARG, SHORT-----	2		2			
2099 MISCELLANEOUS FOOD PRODUCTS-----	506		506			
2211 BASIC TEXTILE PRODUCTS-----	107	28	79			
2311 APPAREL-----	24	24				
2413 FUEL WOOD, CHARCOAL, WASTES-----	33,843	33,843				
2421 LUMBER-----	802	257	545			
2431 VENEER, PLYWOOD, WORKED WOOD-----	61	49	12			
2491 WOOD MANUFACTURES, NEC-----	119	19	100			
2511 FURNITURE AND FIXTURES-----	36	25	11			
2611 PULP-----	204,282		204,282			
2631 PAPER AND PAPERBOARD-----	5,022		5,022			
2691 PULP AND PAPER PRODUCTS, NEC-----	18		18			
2810 SODIUM HYDROXIDE-----	4,200					4,200
2812 DYES, PIGMENT, TANNING MATS-----	21		21			
2819 BASIC CHEMICALS AND PROD, NEC-----	46		46			
2821 PLASTIC MATERIALS-----	80		80			
2822 SYNTHETIC RUBBER-----	72		72			
2831 DRUGS-----	97	19	78			
2841 SOAP-----	8		8			
2851 PAINTS-----	12	1	11			
2861 GUM AND WOOD CHEMICALS-----	6		6			
2872 POTASSIC CHEM FERTILIZERS-----	65,651	65,651				
2876 INSECTICIDES, DISINFECTANTS-----	43		43			
2891 MISCELLANEOUS CHEMICAL PROD-----	66		66			
2914 DISTILLATE FUEL OIL-----	1,588				1,588	
2915 RESIDUAL FUEL OIL-----	69,990				69,990	
2916 LUBRICATING OILS AND GREASES-----	98		98			
2918 ASPHALT, TAR, AND PITCHES-----	212		212			
2951 ASPHALT BUILDING MATERIALS-----	29		29			
3011 RUBBER AND MISC PLASTIC PROD-----	732	689	43			
3111 LEATHER AND LEATHER PRODUCTS-----	1		1			
3211 GLASS AND GLASS PRODUCTS-----	3	3				
3241 BUILDING CEMENT-----	130		130			
3251 STRUCTURAL CLAY PRODUCTS-----	90		90			
3271 LIME-----	20		20			
3291 MISC NONMETALLIC MINERAL PROD-----	40,044	39,197	847			
3315 IRON, STEEL SHAPES, EXC SHEET-----	5,065	1,072	8		3,985	
3316 IRON AND STEEL PLATES, SHEETS-----	1		1			
3319 IRON AND STEEL PRODUCTS, NEC-----	37	21	16			
3321 NONFERREROUS METALS, NEC-----	5		5			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4	4				
3411 FABRICATED METAL PRODUCTS-----	546	99	447			
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,239	1,786	400		53	
3611 ELECTRICAL MACH AND EQUIP-----	71	3	68			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	57,923	57,733	190			
3731 SHIPS AND BOATS-----	3		3			
3791 MISC TRANSPORTATION EQUIPMENT-----	89		89			
3911 MISC MANUFACTURED PRODUCTS-----	8	2	6			
4012 NONFERREROUS METAL SCRAP-----	49		49			
4022 TEXTILE WASTE, SCRAP, SWEEP-----	54		54			
4112 COMMODITIES, NEC-----	446	288	158			
TOTAL TON-MILES, 13,233,828.						

## SAVANNAH, GA, DISTRICT

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## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
ALTAMAHA RIVER, GA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	110	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	36	-----	-----
	TOTAL-----	150	17,400	-----
DARIEL HARBOR, GA.-----	NO COMMERCE REPORTED			
SATILLA RIVER, GA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	4	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	153	-----	-----
	TOTAL-----	157	50	-----
SAVANNAH RIVER FROM AUGUSTA, GA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	51	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	94	-----	-----
	TOTAL-----	145	22,855	4,858
ST. JOHNS RIVER, FLA. AND FLA.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1	-----	-----
	2915 RESIDUAL FUEL OIL-----	34,474	-----	-----
	TOTAL-----	34,475	137,900	-----



# Waterborne Commerce of the United States, 1987

## JACKSONVILLE, FL, DISTRICT

FERNANDINA HARBOR, FLA.

SECTION INCLUDED: FROM THE BAR TO THE JUNCTION OF LANCEFORD CREEK WITH AMELIA RIVER. CONTROLLING DEPTH: 40 FEET IN THE ENTRANCE CHANNEL THENCE 27 FEET IN THE INNER CHANNEL. CONSTRUCTED PROJECT DEPTHS: THE ENTRANCE CHANNEL WAS DEEPEINED TO 40 FEET IN 1979 IN CONNECTION WITH THE CONSTRUCTION OF THE F.B.M. SUBMARINE SUPPORT BASE AT KING'S BAY, ST. MARY'S, GEORGIA. THE INNER HARBOR CHANNEL AUTHORIZED TO THE 32 FOOT PROJECT. LENGTH OF PROJECT IS ABOUT 13 MILES.

### COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	400,369	1983-----	142,410
1979-----	354,177	1984-----	115,094
1980-----	351,274	1985-----	133,202
1981-----	315,021	1986-----	155,645
1982-----	90,192	1987-----	359,117

### FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS	SHIPMENTS
TOTAL-----	359,117	50,610	197,986	1,328	103,765	5,428
0101 COTTON, RAW-----	450		450			
0103 CORN-----	4		4			
0105 RICE-----	546		546			
0119 OILSEEDS, NEC-----	26,054		26,054			
0121 TOBACCO, LEAF-----	468		468			
0129 FIELD CROPS, NEC-----	14		14			
0131 FRESH FRUITS-----	546		546			
0133 COFFEE-----	1,098	1,076	22			
0141 FRESH AND FROZEN VEGETABLES-----	2,750		2,750			
0151 LIVE ANIMALS-----	8		8			
0161 ANIMALS AND PRODUCTS, NEC-----	136	24	112			
0191 MISCELLANEOUS FARM PRODUCTS-----	18	16	2			
0841 CRUDE RUBBER AND ALLIED GUMS-----	42	42				
0861 FOREST PRODUCTS, NEC-----	322	110	212			
0911 FRESH FISH, EXCEPT SMELFISH-----	665	74	252		339	
0912 SHELLFISH, EXCEPT PREPARED-----	1,404		190		1,214	
1051 ALUMINUM ORES, CONCENTRATES-----	14	14				
1091 NONFERROUS ORES, CONCENT, NEC-----	118		118			
1442 SAND, GRAVEL, CRUSHED ROCK-----	122		122			
1451 CLAY-----	7,346		7,346			
1471 PHOSPHATE ROCK-----	168		168			
1491 SALT-----	3,150	3,150				
1499 NONMETALLIC MINERALS, NEC-----	1,438		1,438			
1911 ORDNANCE AND ACCESSORIES-----	2		2			
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,944	32	1,912			
2012 MEAT AND PRODUCTS, NEC-----	348	142	206			
2021 DAIRY PRODUCTS, NEC-----	2		2			
2022 DRIED MILK AND CREAM-----	646		646			
2031 FISH AND SHELLFISH, PREPARED-----	604	446	158			
2034 VEGETABLES AND PREP, NEC-----	1,468	896	572			
2039 PREP FRUIT AND VEG JUICE, NEC-----	3,850	1,418	2,432			
2042 ANIMAL FEEDS-----	2,266	28	2,238			
2049 GRAIN MILL PRODUCTS, NEC-----	2,842	392	2,450			
2061 SUGAR-----	208		208			
2081 ALCOHOLIC BEVERAGES-----	4,402	970	3,432			
2091 VEGETABLE OILS, MARG, SHORT-----	304	84	220			
2092 ANIMAL OILS AND FATS, NEC-----	76	76				
2095 ICE-----	2,436	324				2,112
2099 MISCELLANEOUS FOOD PRODUCTS-----	6,894	932	5,962			
2111 TOBACCO MANUFACTURES-----	86		86			
2211 BASIC TEXTILE PRODUCTS-----	3,328	2,196	1,132			
2311 APPAREL-----	444		220			
2411 LOGS-----	182		182			
2413 FUEL WOOD, CHARCOAL, WASTES-----	28		28			
2414 TIMBER, POSTS, POLES, PILING-----	838		838			
2421 LUMBER-----	7,324		7,324			
2431 VENEER, PLYWOOD, WORKED WOOD-----	152		152			
2491 WOOD MANUFACTURES, NEC-----	2,196	180	2,016			
2511 FURNITURE AND FIXTURES-----	4,430	1,372	3,058			
2611 PULP-----	30,500	56	30,444			
2631 PAPER AND PAPERBOARD-----	34,461	544	31,226			2,691
2691 PULP AND PAPER PRODUCTS, NEC-----	2,426	302	2,124			
2711 PRINTED MATTER-----	216	134	82			
2810 SODIUM HYDROXIDE-----	63,232			1,328	61,904	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	82	82				
2812 DYES, PIGMENT, TANNING MATS-----	44		44			
2813 ALCOHOLS-----	4		4			
2819 BASIC CHEMICALS AND PROD, NEC-----	5,676	3,314	2,362			
2821 PLASTIC MATERIALS-----	5,504	2,302	3,202			
2822 SYNTHETIC RUBBER-----	42		42			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	280	132	148			
2831 DRUGS-----	204	152	52			
2841 SOAP-----	1,712	78	1,634			
2851 PAINTS-----	1,608	1,246	362			
2861 GUM AND WOOD CHEMICALS-----	592	42	550			
2871 NITROGENOUS CHEM FERTILIZERS-----	74	42	32			
2876 INSECTICIDES, DISINFECTANTS-----	370	94	276			
2879 FERTILIZER AND MATERIALS, NEC-----	204	168	36			
2891 MISCELLANEOUS CHEMICAL PROD-----	2,508	504	2,004			
2911 GASOLINE-----	6		6			
2914 DISTILLATE FUEL OIL-----	1,018				1,018	

## JACKSONVILLE, FL, DISTRICT

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FERNANDINA HARBOR, FLA.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	RECEIPTS	SHIPMENTS
2915 RESIDUAL FUEL OIL-----	38,810				38,810	
2916 LUBRICATING OILS AND GREASES-----	148		148			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4		4			
2918 ASPHALT, TAR, AND PITCHES-----	14	2	12			
2951 ASPHALT BUILDING MATERIALS-----	10		10			
2991 PETROLEUM AND COAL PROD, NEC-----	46	46				
3011 RUBBER AND MISC PLASTIC PROD-----	4,194	2,546	1,648			
3111 LEATHER AND LEATHER PRODUCTS-----	632	602	30			
3211 GLASS AND GLASS PRODUCTS-----	1,610	860	750			
3241 BUILDING CEMENT-----	268		268			
3251 STRUCTURAL CLAY PRODUCTS-----	1,574	544	1,030			
3261 CUT STONE AND STONE PRODUCTS-----	228	100	128			
3291 MISC NONMETALLIC MINERAL PROD-----	1,668	694	694		480	
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,656	2,586	70			
3316 IRON AND STEEL PLATES, SHEETS-----	14		14			
3317 IRON AND STEEL PIPE AND TUBE-----	407	110	72			225
3318 FERROALLOYS-----	2		2			
3319 IRON AND STEEL PRODUCTS, NEC-----	1,840	1,792	48			
3321 NONFERROUS METALS, NEC-----	48	2	46			
3322 COPPER ALLOYS, UNWORKED-----	152	88	64			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	910	728	182			
3411 FABRICATED METAL PRODUCTS-----	20,722	5,986	14,736			
3511 MACHINERY, EXCEPT ELECTRICAL-----	5,964	3,630	1,934			400
3611 ELECTRICAL MACH AND EQUIP-----	3,762	2,360	1,402			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,554	1,862	692			
3721 AIRCRAFT AND PARTS-----	18	12	6			
3731 SHIPS AND BOATS-----	692	78	614			
3791 MISC TRANSPORTATION EQUIPMENT-----	276		276			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	162	100	62			
3911 MISC MANUFACTURED PRODUCTS-----	2,236	1,984	252			
4011 IRON AND STEEL SCRAP-----	558		558			
4012 NONFERROUS METAL SCRAP-----	4,632	140	4,492			
4022 TEXTILE WASTE, SCRAP, WHEEP-----	354		354			
4024 PAPER WASTE AND SCRAP-----	11,494		11,494			
4112 COMMODITIES, NEC-----	5,312	352	4,960			
9999 DEPARTMENT OF DEFENSE AND SCI-----	2		2			
TOTAL TON-MILES, 1,242,980.						

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (JACKSONVILLE DISTRICT)

SECTION INCLUDED: FERNANDINA HARBOR, FLA., TO ST. JOHNS RIVER, 21.9 MILES. CONTROLLING DEPTH: SANPIE CREEK 8 FEET. PROJECT DEPTH: 12 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	739,772	1983-----	559,472
1979-----	675,061	1984-----	426,202
1980-----	756,744	1985-----	470,659
1981-----	716,945	1986-----	513,801
1982-----	361,518	1987-----	371,753

## FREIGHT TRAFFIC, 1987

## OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC		
		RECEIPTS	THROUGH COASTWISE	
			NORTHBOUND	SOUTHBOUND
TOTAL-----	5,549	1,328	4,100	121
2810 SODIUM HYDROXIDE-----	1,328	1,328		
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,571		2,450	121
3611 ELECTRICAL MACH AND EQUIP-----	1,100		1,100	
3731 SHIPS AND BOATS-----	300		300	
3791 MISC TRANSPORTATION EQUIPMENT-----	250		250	
TON-MILES, OCEANGOING, 134,741.				

## INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		THROUGH		OUTBOUND	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	366,204	101,992	5,028	145,457	2,384	400	110,943
0911 FRESH FISH, EXCEPT SHELLFISH-----	339				339		
0912 SHELLFISH, EXCEPT PREPARED-----	1,214				1,214		

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND  
THE ST. JOHNS RIVER, FLA. (JACKSONVILLE DISTRICT)--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

## INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	THROUGH	INBOUND	OUTBOUND	THROUGH
		NORTHBOUND	NORTHBOUND	NORTHBOUND	SOUTHBOUND	SOUTHBOUND	SOUTHBOUND
1442 SAND, GRAVEL, CRUSHED ROCK	9,404						8,404
2095 ICE	2,112		2,112				
2631 PAPER AND PAPERMAKING	2,691		2,691				
2810 SODIUM HYDROXIDE	65,474	61,904					3,500
2813 ALCOHOLS	2,988			2,400			588
2911 GASOLINE	41,849			18,959			22,890
2914 DISTILLATE FUEL OIL	11,663	798		10,034	831		
2915 RESIDUAL FUEL OIL	137,893	38,810		98,883			
2918 ASPHALT, TAR, AND BITUMENS	2,363			2,363			
3291 MISC NONMETALLIC MINERAL PROD.	480	480					
3314 IRON AND STEEL PRIMARY FORMS	11,851						11,851
3315 IRON, STEEL SHAPES, EXC SHEET	62,820						62,820
3317 IRON AND STEEL PIPE AND TUBE	225		225				
3411 FABRICATED METAL PRODUCTS	57			87			
3511 MACHINERY, EXCEPT ELECTRICAL	1,200					400	800
3611 ELECTRICAL MACH AND EQUIP	5			5			
3721 AIRCRAFT AND PARTS	11			7			4
3731 SHIPS AND BOATS	86						86
3791 MISC TRANSPORTATION EQUIPMENT	40			40			
4011 IRON AND STEEL SCRAP	12,079			12,079			
4029 WASTE AND SCRAP, NEC	600			600			
TON-MILES, INTERNAL,	4,741,990.						
TONS, ALL TRAFFIC,	371,753.						
TON-MILES, ALL TRAFFIC,	4,876,731.						

## JACKSONVILLE HARBOR, FLA.

SECTION INCLUDED: ATLANTIC OCEAN TO THE FLORIDA EAST COAST RAILWAY BRIDGE AT JACKSONVILLE, 26.8 MILES. CONTROLLING DEPTH: 36 FEET. ATLANTIC OCEAN TO TERMINAL CHANNEL, MILE 20, EXCEPT FOR SHOALS IN THE OUTSIDE QUARTER; THENCE 34 FEET THRU TERMINAL CHANNEL, MILE 20 TO COMMODORE POINT (HART BRIDGE), EXCEPT FOR SHOALS IN THE OUTSIDE QUARTER. PROJECT DEPTH: 42 FEET U. S. NAVY ENTRANCE BAR CUT TO INTERSECTION THE NAVY'S MAYPORT ENTRANCE CHANNEL, THENCE CIVIL PROJECT DEPTH OF 38 FEET TO TERMINAL CHANNEL (MILE 20), THENCE 34 FEET TO COMMODORE POINT (HART BRIDGE), THEN 30 FEET TO FLORIDA EAST COAST RAILWAY BRIDGE. LENGTH OF PROJECT IS ABOUT 26.8 MILES. THE CIVIL PROJECT DEPTH OF BAR CUT IS 38 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978	15,712,893	2,172	1983	11,760,221	
1979	15,278,008		1984	11,849,955	
1980	15,644,000		1985	11,332,178	
1981	15,845,690	290	1986	12,441,812	400
1982	12,707,273	382	1987	13,483,675	1,507

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	COASTWISE			INTERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
TOTAL-----	13,483,675	3,659,055	2,193,436	4,523,772	1,583,881	100,094	543,200	680,237
0101 COTTON, RAW-----	4,556	-----	4,471	-----	85	-----	-----	-----
0103 CORN-----	12,203	-----	12,112	-----	91	-----	-----	-----
0104 OATS-----	92	-----	-----	-----	92	-----	-----	-----
0105 RICE-----	24,471	23	5,627	-----	18,821	-----	-----	-----
0106 SORGHUM GRAINS-----	2,114	-----	267	-----	1,847	-----	-----	-----
0107 WHEAT-----	1,629	-----	-----	-----	1,629	-----	-----	-----
0119 OILSEEDS, NEC-----	2,832	-----	1,806	513	513	-----	-----	-----
0121 TOBACCO, LEAF-----	2,641	1,845	15	322	459	-----	-----	-----
0129 FIELD CROPS, NEC-----	926	452	196	33	245	-----	-----	-----
0131 FRESH FRUITS-----	47,757	39	21,994	11,570	14,154	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	81,145	80,615	-----	265	265	-----	-----	-----
0133 COFFEE-----	114,471	88,272	120	13,456	12,623	-----	-----	-----
0134 COCOA BEANS-----	1,747	1,227	-----	260	260	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	84,731	486	1,409	12,374	70,454	-----	-----	-----
0151 LIVE ANIMALS-----	296	-----	-----	-----	294	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	6,705	340	338	20	5,967	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	5,736	100	2,640	620	2,326	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	974	554	179	-----	241	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	1,331	612	67	236	416	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	16,306	5,148	180	3,899	6,033	1,048	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	6,757	1,831	2,879	619	445	983	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	173	172	1	-----	-----	-----	-----	-----
1051 ALUMINUM DRES, CONCENTRATES-----	413	25	388	-----	-----	-----	-----	-----
1071 NONFERROUS DRES, CONCENT, NEC-----	2,598	453	2,145	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	137	-----	137	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	57,844	57,868	-----	-----	-----	-----	-----	-----
1411 LIMESTONE-----	77,048	76,530	-----	-----	554	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	77	-----	34	-----	43	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	8,366	5,601	900	59	1,806	-----	-----	-----
1451 CLAY-----	25,178	104	18,267	-----	2,057	-----	4,750	-----
1471 PHOSPHATE ROCK-----	328,819	-----	328,819	-----	-----	-----	-----	-----

## JACKSONVILLE HARBOR, FLA.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
1491 SALT-----	3,980	-----	651	-----	3,329	-----	-----	-----
1492 SULPHUR, DRY-----	10,778	-----	10,778	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	908,486	908,434	28	-----	24	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	5,093	480	1,270	683	2,660	-----	-----	-----
1911 ORNANCE AND ACCESSORIES-----	121	113	-----	-----	8	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	84,654	2,429	1,645	7,512	73,068	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	25,165	11,925	409	3,458	9,373	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	22	-----	3	-----	19	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	1,811	55	642	847	67	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	6,234	479	-----	569	5,186	-----	-----	-----
2022 DRIED MILK AND CREAM-----	7,338	76	1,647	92	5,483	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	43,733	716	215	36,331	6,471	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	27,064	5,547	265	5,226	16,026	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	77,006	49,245	6,347	2,878	18,536	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	4,349	-----	122	-----	4,227	-----	-----	-----
2042 ANIMAL FEEDS-----	37,248	45	11,197	18,163	7,843	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	13,307	371	2,434	39	10,463	-----	-----	-----
2061 SUGAR-----	14,123	-----	-----	-----	14,123	-----	-----	-----
2062 MOLASSES-----	778	-----	-----	-----	778	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	100,294	12,332	448	25,433	62,081	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	6,918	1,013	440	208	5,257	-----	-----	-----
2094 GROCERIES-----	10,129	-----	-----	89	10,040	-----	-----	-----
2095 ICE-----	7,325	3,440	-----	-----	-----	-----	3,885	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	371,308	13,117	2,901	99,061	256,229	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	4,192	27	269	487	3,409	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	29,141	13,100	7,359	713	7,969	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	3,160	40	-----	1	3,119	-----	-----	-----
2311 APPAREL-----	88,553	789	137	7,887	79,740	-----	-----	-----
2411 LOGS-----	61	-----	39	-----	22	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	695	-----	608	-----	87	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	333	-----	122	-----	211	-----	-----	-----
2415 PULPWOOD, LOG-----	310	-----	-----	135	175	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	20	20	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	164,629	149,768	9,303	357	5,201	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,569	670	1,413	18	468	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	5,623	617	2,474	782	1,950	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	27,970	2,418	139	1,205	24,208	-----	-----	-----
2611 PULP-----	118,917	-----	118,618	-----	299	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	378	279	99	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	176,757	14,025	115,096	1,292	46,344	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	86,900	6,802	837	2,077	77,184	-----	-----	-----
2711 PRINTED MATTER-----	747	25	100	306	316	-----	-----	-----
2810 SODIUM HYDROXIDE-----	262,405	-----	-----	200,230	271	-----	61,904	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	8,656	8,636	-----	20	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	733	-----	210	518	5	-----	-----	-----
2813 ALCOHOLS-----	4,043	18	153	-----	1,472	-----	2,400	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	143	-----	-----	143	-----	-----	-----	-----
2818 SULPHURIC ACID-----	190	-----	-----	110	80	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	166,780	19,681	48,580	32,808	65,711	-----	-----	-----
2821 PLASTIC MATERIALS-----	38,271	5,585	16,165	1,002	15,519	-----	-----	-----
2822 SYNTHETIC RUBBER-----	4,782	-----	4,736	46	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	5,262	206	4,827	-----	229	-----	-----	-----
2831 DRUGS-----	4,163	152	227	1,926	1,858	-----	-----	-----
2841 SOAP-----	26,246	4,830	1,230	3,601	16,585	-----	-----	-----
2851 PAINTS-----	7,443	994	173	190	6,082	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	13,012	311	10,106	1,539	1,056	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	739	294	445	-----	-----	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	1,071,620	-----	1,071,600	-----	20	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	46,259	-----	46,259	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	8,057	976	5,335	172	1,574	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	129,693	97	129,383	-----	213	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	14,298	1,116	10,512	194	2,476	-----	-----	-----
2911 GASOLINE-----	2,480,594	238,916	73	2,131,308	8	22,890	22,148	65,251
2912 JET FUEL-----	198,012	-----	-----	143,751	-----	-----	-----	54,261
2913 KEROSENE-----	11,082	-----	-----	11,082	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	1,120,637	179,208	-----	797,293	2,330	-----	10,832	130,974
2915 RESIDUAL FUEL OIL-----	2,080,225	631,440	-----	606,200	-----	-----	412,834	429,751
2916 LUBRICATING OILS AND GREASES-----	25,732	7,923	750	4,857	12,202	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,422	-----	-----	-----	1,422	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	66,250	9,419	6	56,284	541	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	20	-----	20	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	374	-----	26	-----	348	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	601	-----	73	20	508	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	3,490	174	2	119	3,191	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	67,606	14,670	1,136	7,596	44,204	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	15,733	11,552	219	2,398	1,564	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	13,054	2,301	4,439	1,258	5,056	-----	-----	-----
3241 BUILDING CEMENT-----	354,424	261,122	11	93,163	128	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	38,605	15,036	2,013	11,199	10,357	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	6,579	3,856	1	2,008	714	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	4,944	3,594	2,788	1,043	764	-----	755	-----
3312 SLAG-----	143	-----	-----	-----	143	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	18,028	13	-----	-----	6,164	11,851	-----	-----
3315 IRON, STEEL SHAPES, END SHEET-----	160,384	90,510	1,170	3,264	2,624	62,820	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	3,271	1,111	881	-----	1,279	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	991	368	273	125	225	-----	-----	-----
3318 FERRONALLOYS-----	7,236	6,072	26	1,101	37	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	7,334	3,328	145	2,437	1,424	-----	-----	-----
3321 NONFERRUGIOUS METALS, NEC-----	635	111	34	-----	490	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	957	483	185	7	287	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	72	43	5	-----	24	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	19,120	7,540	8,615	443	2,522	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	41,077	15,779	1,384	5,436	57,587	-----	887	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	92,596	43,602	12,813	2,550	33,131	500	-----	-----

## Waterborne Commerce of the United States, 1987

## JACKSONVILLE HARBOR, FLA.--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3611 ELECTRICAL MACH AND EQUIP-----	30,066	2,947	3,336	14,678	9,100	-----	5	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	601,894	706,578	46,814	4,090	44,412	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	204	4	168	14	14	4	-----	-----
3731 SHIPS AND BOATS-----	2,071	118	1,600	9	344	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	664	6	390	2	266	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	22,328	782	136	19,315	2,095	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	74,747	880	105	18,048	55,714	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	33,967	9,459	24,468	18	22	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	29,295	24,447	1,660	2,709	79	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	1,061	-----	415	525	121	-----	-----	-----
4024 PAPER PASTE AND SCRAP-----	20,046	-----	19,982	64	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	28,556	-----	-----	5,348	408	-----	22,800	-----
4112 COMMODITIES, NEC-----	339,641	1,629	3,186	71,388	263,438	-----	-----	-----
4119 EMPTY CONTAINERS-----	1,749	-----	-----	27	1,722	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	807	-----	807	-----	-----	-----	-----	-----
TOTAL TON-MILES, 271,320,501.								

## ST. JOHNS RIVER, FLA., JACKSONVILLE TO LAKE HARNEY

SECTION INCLUDED: FLORIDA EAST COAST RAILWAY BRIDGE AT JACKSONVILLE TO LAKE HARNEY, 186.4 MILES; SIDE CHANNEL TO ENTERPRISE, 2.7 MILES. CONTROLLING DEPTH: 11.0 FEET, JACKSONVILLE TO UNITED STATES NAVAL AIR STATION; 8.0 FEET TO SANFORD; 8.7 FEET IN ENTERPRISE CHANNEL; 2 FEET, SANFORD TO LAKE HARNEY. PROJECT DEPTH: 13 TO 12 FEET, JACKSONVILLE TO SANFORD, 140.6 MILES, AND 12 FEET IN ENTERPRISE CHANNEL; 5 FEET, SANFORD TO LAKE HARNEY, 20.9 MILES.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,558,423	1983-----	482,253
1979-----	1,516,374	1984-----	248,317
1980-----	1,476,207	1985-----	202,110
1981-----	1,849,213	1986-----	379,396
1982-----	1,118,148	1987-----	290,817

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN EXPORTS	DOMESTIC INTERNAL		
			INSOUND	UPBOUND	THROUGH UPBOUND
TOTAL-----	290,817	404	161,625	2,480	126,308
1442 SAND, GRAVEL, CRUSHED ROCK-----	8,404	-----	8,404	-----	-----
2042 ANIMAL FEEDS-----	121	121	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	40	40	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	3	3	-----	-----	-----
2421 LUMBER-----	171	171	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	16	16	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	5	5	-----	-----	-----
2810 SODIUM HYDROXIDE-----	3,500	-----	3,500	-----	-----
2813 ALCOHOLS-----	588	-----	588	-----	-----
2915 RESIDUAL FUEL OIL-----	277,621	-----	148,833	2,480	126,308
3291 MISC NONMETALLIC MINERAL PROD-----	23	23	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	11	11	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	311	11	300	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	1	1	-----	-----	-----
4112 COMMODITIES, NEC-----	2	2	-----	-----	-----
TOTAL TON-MILES, 27,608,329,					

## CANAVEL HARBOR, FLA.

SECTION INCLUDED: ENTRANCE CHANNEL (ATLANTIC OCEAN) TO BARRIER BEACH INNER CHANNEL AND TURNING BASINS, THENCE A BARGE CANAL THROUGH A LOCK IN THE PERIMETER DIKE AND CONTINUING TO THE INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI. CONTROLLING DEPTH: 42 FEET IN ENTRANCE CHANNEL CUT-1A AND CUT-1, THENCE 42 FEET IN INNER CHANNEL CUT-2 TO BARRIER BEACH, THENCE 36 FEET IN INNER CHANNEL TO CIVIL TURNING BASIN OF 35 FEET, CONTINUING ALONG BARGE CANAL OF 12 FEET. PROJECT DEPTHS: 44 FEET IN THE U. S. NAVY ENTRANCE CHANNEL (ATLANTIC OCEAN) TO BARRIER BEACH INNER CHANNEL INTERSECTION NAVY'S TRIDENT ACCESS CHANNEL, THENCE 43 FEET FOR 0.13 MILE, THENCE 36 FEET TO CIVIL TURNING BASIN OF 35 FEET AND CONTINUING ALONG BARGE CANAL OF 12 FEET. LENGTH OF PROJECT IS ABOUT 15.0 MILES. THE CIVIL PROJECT DEPTH OF ENTRANCE CHANNEL TO BARRIER BEACH INNER CHANNEL IS 37 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	3,434,024	1983-----	2,285,751
1979-----	3,473,293	1984-----	2,606,224
1980-----	2,706,932	1985-----	2,258,215
1981-----	2,574,634	1986-----	2,374,127
1982-----	2,536,585	1987-----	2,174,613

\* PASSENGERS--27,480.

## JACKSONVILLE, FL, DISTRICT

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CANAVERAL HARBOR, FLA.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,174,613	1,104,504	217,605	739,285	63	5,300	107,856
0119 OILSEEDS, NEC-----	656		656				
0131 FRESH FRUITS-----	34,109	14	34,095				
0132 BANANAS AND PLANTAINS-----	196		186				
0911 FRESH FISH, EXCEPT SHELLFISH-----	237	51	10			176	
0912 SHELLFISH, EXCEPT PREPARED-----	1,741					1,741	
1442 SAND, GRAVEL, CRUSHED ROCK-----	5,040	5,040					
1491 SALT-----	26,637	26,637					
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,297	22	1,275				
2031 FISH AND SHELLFISH, PREPARED-----	19		19				
2034 VEGETABLES AND PREP, NEC-----	279		279				
2039 PREP FRUIT AND VEG JUICE, NEC-----	59,887	55,155	4,732				
2042 ANIMAL FEEDS-----	325		325				
2049 GRAIN MILL PRODUCTS, NEC-----	29						
2081 ALCOHOLIC BEVERAGES-----	706		706				
2095 ICE-----	3,415						3,415
2414 TIMBER, POSTS, POLES, PILING-----	6	6					
2421 LUMBER-----	38,863	38,863					
2491 WOOD MANUFACTURES, NEC-----	19	19					
2621 STANDARD NEWSPRINT PAPER-----	120,390	120,390					
2631 PAPER AND PAPERBOARD-----	2		2				
2691 PULP AND PAPER PRODUCTS, NEC-----	1		1				
2819 BASIC CHEMICALS AND PROD, NEC-----	265		265				
2821 PLASTIC MATERIALS-----	130		130				
2822 SYNTHETIC RUBBER-----	3		3				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	72		72				
2831 DRUGS-----	8		8				
2841 SOAP-----	6,087	6,075	12				
2876 INSECTICIDES, DISINFECTANTS-----	136		136				
2891 MISCELLANEOUS CHEMICAL PROD-----	463		463				
2911 GASOLINE-----	368,433	211,872	7	154,332		2,222	
2914 DISTILLATE FUEL OIL-----	238,462	1,456		237,006			
2915 RESIDUAL FUEL OIL-----	439,077			335,826			103,251
2918 ASPHALT, TAR, AND PITCHES-----	33,702	33,702					
3011 RUBBER AND MISC PLASTIC PROD-----	137	131	6				
3241 BUILDING CEMENT-----	610,528	598,407		12,121			
3291 MISC NONMETALLIC MINERAL PROD-----	275					275	
3411 FABRICATED METAL PRODUCTS-----	4,335	3,472			63	800	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,166		16				1,150
3611 ELECTRICAL MACH AND EQUIP-----	2		2				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6		6				
3731 SHIPS AND BOATS-----	319		233			86	
3791 MISC TRANSPORTATION EQUIPMENT-----	40						40
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1		1				
4011 IRON AND STEEL SCRAP-----	177,056	3,192	173,864				
4112 COMMODITIES, NEC-----	50		50				
9999 DEPARTMENT OF DEFENSE AND SCI-----	16		16				
TOTAL TON-MILES, 4,241,156.							

## PALM BEACH HARBOR, FLA.

SECTION INCLUDED: ATLANTIC OCEAN TO PORT OF PALM BEACH TERMINALS, 1.7 MILES; LAKE WORTH FROM RIVIERA BRIDGE TO SOUTHERN BOULEVARD BRIDGE AT WEST PALM BEACH, 7.5 MILES; AND "PALM BEACH, FLA., SIDE CHANNEL AND BASIN," CONTROLLING DEPTH: 35 FEET, OCEAN TO TURNING BASIN AT PORT OF PALM BEACH TERMINALS, AND 33 FEET IN TURNING BASIN; EXCEPT FOR SHOALS IN THE OUTSIDE QUARTERS; 12 FEET IN CHANNEL THROUGH LAKE WORTH; AND 3 FEET IN PALM BEACH SIDE CHANNEL AND BASIN. PROJECT DEPTH: 35 FEET IN ENTRANCE CHANNEL FROM OCEAN MERGING WITH AN INNER CHANNEL 33 FEET DEEP TO AND INCLUDING TURNING BASIN AT PORT OF PALM BEACH TERMINALS.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	734,022	1,366	1983-----	2,386,469	141
1979-----	1,090,760		1984-----	2,103,626	317
1980-----	1,624,561	434	1985-----	2,041,554	351
1981-----	2,232,902	955	1986-----	2,321,544	1,143
1982-----	1,696,237	433	1987-----	2,507,750	570

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,507,750	661,629	836,102	196,780	812,272	569	398
0102 BARLEY AND RYE-----	44		44				
0103 CORN-----	172		172				
0104 OATS-----	108		108				
0105 RICE-----	6,805		6,805				
0106 SORGHUM GRAINS-----	11		11				
0111 SOYBEANS-----	33		33				
0119 OILSEEDS, NEC-----	202		202				
0121 TOBACCO, LEAF-----	46	6	42				
0129 FIELD CROPS, NEC-----	381	160	221				

PALM BEACH HARBOR, FLA.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
0131 FRESH FRUITS-----	1,850	27	1,823				
0132 BANANAS AND PLANTAINS-----	587	307	280				
0133 COFFEE-----	723	682	41				
0134 COCOA BEANS-----	325	325					
0140 FRESH AND FROZEN VEGETABLES-----	25,188	2,701	22,487				
0151 LIVE ANIMALS-----	421		421				
0161 ANIMALS AND PRODUCTS, NEC-----	850		850				
0191 MISCELLANEOUS FARM PRODUCTS-----	1,341	174	1,167				
0841 CRUDE RUBBER AND ALLIED GUMS-----	2		2				
0861 FOREST PRODUCTS, NEC-----	139	122	17				
0911 FRESH FISH, EXCEPT SHELLFISH-----	986	264	167			555	
0912 SHELLFISH, EXCEPT PREPARED-----	1,852	1,771	97			14	
0931 MARINE SHELLS, UNMANUFACTURED-----	72	40	32				
1021 COPPER ORE AND CONCENTRATES-----	20		20				
1051 ALUMINUM ORES, CONCENTRATES-----	21		21				
1061 MANGANESE ORES, CONCENTRATES-----	123		123				
1412 BUILDING STONE, UNWORKED-----	344		344				
1442 SAND, GRAVEL, CRUSHED ROCK-----	472		472				
1451 CLAY-----	40		40				
1471 PHOSPHATE ROCK-----	209		209				
1491 SALT-----	4		4				
1494 GYPSUM, CRUDE AND PLASTERS-----	23		23				
1499 NONMETALLIC MINERALS, NEC-----	643		643				
1911 ORDIANCE AND ACCESSORIES-----	7		7				
2011 MEAT, FRESH, CHILLED, FROZEN-----	20,988	1,667	19,321				
2012 MEAT AND PRODUCTS, NEC-----	1,663	89	1,574				
2014 TALLOW, ANIMAL FATS AND OILS-----	207		207				
2015 ANIMAL BY-PRODUCTS, NEC-----	111	27	84				
2021 DAIRY PRODUCTS, NEC-----	4,079	35	4,044				
2022 DRIED MILK AND CREAM-----	9,664	620	9,044				
2031 FISH AND SHELLFISH, PREPARED-----	775	163	612				
2034 VEGETABLES AND PREP, NEC-----	2,641	94	2,547				
2039 PREP FRUIT AND VEG JUICE, NEC-----	21,395	9,078	12,317				
2041 WHEAT FLOUR AND SEMOLINA-----	2,097		2,097				
2042 ANIMAL FEEDS-----	33,222		33,222				
2049 GRAIN MILL PRODUCTS, NEC-----	12,590		12,590				
2061 SUGAR-----	964,775	20	173,308	791,447			
2062 MOLASSES-----	274,350		274,350				
2081 ALCOHOLIC BEVERAGES-----	27,094	3,308	23,786				
2091 VEGETABLE OILS, MARG, SHORT-----	2,226		2,226				
2092 ANIMAL OILS AND FATS, NEC-----	20		20				
2095 ICE-----	499	101					398
2099 MISCELLANEOUS FOOD PRODUCTS-----	41,879	634	41,245				
2111 TOBACCO MANUFACTURES-----	392	32	360				
2211 BASIC TEXTILE PRODUCTS-----	5,601	957	4,644				
2311 APPAREL-----	2,172	992	1,180				
2411 LOGS-----	8		8				
2413 FUEL WOOD, CHARCOAL, WASTES-----	140		140				
2414 TIMBER, POSTS, POLES, PILING-----	773	37	736				
2415 PULPMOOD, LOG-----	1,470		1,470				
2416 WOOD CHIPS, STAVES, MOLDINGS-----	127		127				
2421 LUMBER-----	20,130	1,272	18,858				
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,883	151	2,732				
2491 WOOD MANUFACTURES, NEC-----	3,385	185	3,200				
2511 FURNITURE AND FIXTURES-----	3,718	21	3,697				
2611 PULP-----	105		105				
2621 STANDARD NEWSPRINT PAPER-----	433		433				
2631 PAPER AND PAPERBOARD-----	4,796	416	4,380				
2691 PULP AND PAPER PRODUCTS, NEC-----	6,835	325	6,510				
2711 PRINTED MATTER-----	2,061	9	2,052				
2812 DYES, PIGMENT, TANNING MATS-----	55		55				
2813 ALCOHOLS-----	331		331				
2816 RADIOACTIVE MATERIALS, WASTES-----	158		158				
2917 BENZENE AND TOLUENE-----	18		18				
2819 BASIC CHEMICALS AND PROD, NEC-----	10,407	222	10,185				
2821 PLASTIC MATERIALS-----	1,864	7	1,857				
2822 SYNTHETIC RUBBER-----	33		33				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	287		287				
2831 DRUGS-----	2,186	8	2,178				
2841 SOAP-----	8,172	816	7,356				
2851 PATENTS-----	2,195	62	2,133				
2861 GUM AND WOOD CHEMICALS-----	304	33	271				
2871 NITROGENOUS CHEM FERTILIZERS-----	103		103				
2872 POTASSIC CHEM FERTILIZERS-----	8		8				
2876 INSECTICIDES, DISINFECTANTS-----	402	64	338				
2879 FERTILIZER AND MATERIALS, NEC-----	866		866				
2891 MISCELLANEOUS CHEMICAL PROD-----	2,074	296	1,778				
2911 GASOLINE-----	174		174				
2914 DISTILLATE FUEL OIL-----	255		255				
2915 RESIDUAL FUEL OIL-----	277,182	59,577	196,780	20,825			
2916 LUBRICATING OILS AND GREASES-----	6,632		6,632				
2918 ASPHALT, TAR, AND BITUMENS-----	5,701	1,442	5,259				
2920 COKE, PETROLEUM COKE-----	53		53				
2921 LIQUEFIED GASES-----	199		199				
2951 ASPHALT BUILDING MATERIALS-----	913		913				
2991 PETROLEUM AND COAL PROD, NEC-----	119		119				
3011 RUBBER AND MISC PLASTIC PROD-----	5,441	431	5,410				
3111 LEATHER AND LEATHER PRODUCTS-----	647	180	467				
3211 GLASS AND GLASS PRODUCTS-----	7,167	564	6,603				
3241 BUILDING CEMENT-----	565,053	559,508	5,545				
3251 STRUCTURAL CLAY PRODUCTS-----	5,727	1,974	3,753				
3271 LIME-----	727		727				
3281 CUT STONE AND STONE PRODUCTS-----	181	29	152				
3291 MISC NONMETALLIC MINERAL PROD-----	4,277	109	4,168				

## JACKSONVILLE, FL, DISTRICT

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PALM BEACH HARBOR, FLA.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
3315 IRON, STEEL SHAPES, EXC SHEET	3,195	765	2,430				
3316 IRON AND STEEL PLATES, SHEETS	279		279				
3317 IRON AND STEEL PIPE AND TUBE	255		255				
3319 IRON AND STEEL PRODUCTS, NEC	2,269	2,211	58				
3321 NONFERROUS METALS, NEC	730		730				
3322 COPPER ALLOYS, UNWORKED	1,134	467	667				
3323 LEAD AND ZINC, UNWORKED	512	1	511				
3324 ALUMINUM AND ALLOYS, UNWORKED	1,186	879	307				
3411 FABRICATED METAL PRODUCTS	24,900	750	24,150				
3511 MACHINERY, EXCEPT ELECTRICAL	11,744	1,055	10,689				
3611 ELECTRICAL MACH AND EQUIP	8,586	1,208	7,378				
3711 MOTOR VEHICLES, PARTS, EQUIP	6,413	730	5,683				
3721 AIRCRAFT AND PARTS	1		1				
3731 SHIPS AND BOATS	402	19	423				
3791 MISC TRANSPORTATION EQUIPMENT	424		424				
3811 INSTR, TIME, PHOTO, OPT GOODS	747	1	746				
3911 MISC MANUFACTURED PRODUCTS	1,189	136	1,053				
4011 IRON AND STEEL SCRAP	317	317					
4012 NONFERROUS METAL SCRAP	169	166	3				
4022 TEXTILE WASTE, SCRAP, SWEEP	83		83				
4024 PAPER WASTE AND SCRAP	93		93				
4112 COMMODITIES, NEC	12,348	790	11,558				
9999 DEPARTMENT OF DEFENSE AND SCI	43		43				
TOTAL TON-MILES	5,014,362						

## PORT EVERGLADES HARBOR, FLA.

SECTION INCLUDED: ATLANTIC OCEAN TO TERMINALS AT PORT EVERGLADES, 1.7 MILES; SECTION OF INTRACOASTAL WATERWAY, LOS OLAS BOULEVARD BRIDGE, FORT LAUDERDALE, FLA., TO WASHINGTON STREET, HOLLYWOOD, FLA., 8.7 MILES; DANIA CUT-OFF CANAL, 6 MILES; AND "NEW RIVER, FLA." PROJECT, 7.9 MILES. CONTROLLING DEPTH: 45 FEET IN ENTRANCE CHANNEL; 42 FEET THROUGH TURNING BASIN TO MAIN SLIP AT PORT EVERGLADES; 10 FEET IN INTRACOASTAL WATERWAY SECTION; 8 FEET IN NEW RIVER IN 1956; AND 6.5 IN DANIA CUT-OFF CANAL. PROJECT DEPTH: 45 FEET, ATLANTIC OCEAN TO SOUTH JETTY CONVERGING TO 42 FEET AT STATION 51, THENCE 42 TO 31 FEET TO AND INCLUDING PORTIONS OF TURNING BASIN AT PORT EVERGLADES TERMINAL, AND 8 FEET IN NEW RIVER.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978	11,963,825	1,268,749	1983	11,463,317	914,080
1979	13,030,616	1,000,000	1984	11,822,277	766,740
1980	13,267,691	988,000	1985	11,648,543	812,274
1981	12,031,182	1,150,000	1986	11,536,078	747,382
1982	11,487,539	982,952	1987	14,045,487	755,287

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL	14,045,487	5,739,577	610,424	9,174,798	473,335	13,572	33,781
0101 COTTON, RAW	1,042	406	636				
0102 BARLEY AND RYE	114	114					
0103 CORN	430		430				
0104 OATS	24		24				
0105 RICE	601	14	587				
0107 WHEAT	29		29				
0111 SOYBEANS	65		65				
0119 DULSEEDS, NEC	3,167	3,117	50				
0121 TOBACCO, LEAF	4,346	4,042	304				
0129 FIELD CROPS, NEC	1,559	1,468	91				
0131 FRESH FRUITS	4,285	1,507	2,778				
0132 BANANAS AND PLANTAINS	6,472	6,448	24				
0133 COFFEE	99,911	99,393	518				
0134 COCOA BEANS	7,899	7,380	509				
0141 FRESH AND FROZEN VEGETABLES	41,375	39,041	2,334				
0151 LIVE ANIMALS	125	125					
0161 ANIMALS AND PRODUCTS, NEC	1,808	540	1,268				
0191 MISCELLANEOUS FARM PRODUCTS	1,887	1,630	257				
0841 CRUDE RUBBER AND ALLIED GUMS	104	61	43				
0861 FOREST PRODUCTS, NEC	1,402	1,263	139				
0911 FRESH FISH, EXCEPT SHELLFISH	5,710	5,674	36				
0912 SHELLFISH, EXCEPT PREPARED	15,344	15,057	287				
0931 MARINE SHELLS, UNMANUFACTURED	24	24					
1051 ALUMINUM ORES, CONCENTRATES	33		33				
1091 NONFERROUS ORES, CONCENT, NEC	166	11	155				
1121 COAL AND LIGNITE	138	138					
1311 CRUDE PETROLEUM	440,626				440,626		
1412 BUILDING STONE, UNWORKED	28		28				
1442 SAND, GRAVEL, CRUSHED ROCK	68,869	58,157	10,712				
1451 CLAY	16,689	14,553	2,136				
1471 PHOSPHATE ROCK	315		315				
1491 SALT	446	64	382				
1492 SULPHUR, DRY	487		487				



PORT EVERGLADES HARBOR, FLA.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
1490 GYPSUM, CRUDE AND PLASTERS-----	65,932	65,046	386	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	4,719	221	4,498	-----	-----	-----	-----
1911 ODDNANCE AND ACCESSORIES-----	519	350	169	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	55,666	32,894	22,772	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	5,067	3,766	1,301	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,170	-----	1,170	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	888	341	547	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	9,746	6,088	3,658	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	22,003	14,932	7,071	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	5,219	4,495	724	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	8,416	6,732	1,684	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	65,699	57,332	8,367	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	274	-----	274	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	5,786	153	5,633	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	13,716	9,679	4,037	-----	-----	-----	-----
2061 SUGAR-----	3,295	2,607	688	-----	-----	-----	-----
2062 MOLASSES-----	857	21	836	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	149,049	142,659	6,390	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	7,746	4,996	2,750	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	494	494	-----	-----	-----	-----	-----
2095 ICE-----	7,540	7,540	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	28,296	14,927	13,369	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	802	299	503	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	24,521	9,931	14,590	-----	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	43	-----	43	-----	-----	-----	-----
2311 APPAREL-----	16,067	9,177	6,890	-----	-----	-----	-----
2411 LOGS-----	492	350	142	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	2	2	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	458	44	414	-----	-----	-----	-----
2415 PULPWOOD, LOG-----	189	-----	189	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	103	24	79	-----	-----	-----	-----
2421 LUMBER-----	123,589	117,345	6,244	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	7,628	5,529	2,099	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	11,436	8,139	3,297	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	10,521	8,727	1,794	-----	-----	-----	-----
2611 PULP-----	3,998	-----	3,998	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	49,240	48,355	885	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	53,214	14,993	38,221	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	10,332	3,974	6,358	-----	-----	-----	-----
2711 PRINTED MATTER-----	2,461	958	1,503	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	635	468	167	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	363	-----	363	-----	-----	-----	-----
2813 ALCOHOLS-----	884	4	880	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	493	-----	493	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	25,893	6,795	19,098	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	24,089	3,101	20,988	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	819	-----	819	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	3,731	273	3,458	-----	-----	-----	-----
2831 DRUGS-----	4,595	1,605	2,990	-----	-----	-----	-----
2841 SOAP-----	10,029	6,061	3,968	-----	-----	-----	-----
2851 PAINTS-----	9,724	1,736	7,988	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	119	6	113	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	1,475	360	1,115	-----	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	500	-----	500	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	294	-----	294	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	2,550	746	1,804	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,915	373	1,542	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	13,255	3,436	9,819	-----	-----	-----	-----
2911 GASOLINE-----	6,333,936	297,105	207	6,016,812	14,401	3,189	2,222
2912 JET FUEL-----	1,885,309	1,238,912	30	642,832	3,535	-----	-----
2913 KEROSENE-----	20	-----	20	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	1,681,014	99,399	-----	1,538,246	14,773	-----	28,596
2915 RESIDUAL FUEL OIL-----	951,917	120,755	2,642	818,137	-----	10,383	-----
2916 LUBRICATING OILS AND GREASES-----	5,010	473	4,537	-----	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	319	-----	319	-----	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	164,872	94,603	1,656	66,250	-----	-----	2,363
2920 COKE, PETROLEUM COKE-----	66	-----	66	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	87,777	-----	72	87,705	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	822	-----	822	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	694	99	595	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	20,085	4,595	11,490	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	2,986	1,659	1,327	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	19,030	11,480	7,550	-----	-----	-----	-----
3241 BUILDING CEMENT-----	673,789	666,794	2,361	4,634	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	34,938	32,796	2,142	-----	-----	-----	-----
3271 LIME-----	51	-----	51	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	7,839	7,330	509	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	22,191	9,072	13,119	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	851	823	28	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	159,303	157,506	1,615	142	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	8,468	6,770	1,698	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	6,159	5,499	2,660	-----	-----	-----	-----
3318 FERROALLOYS-----	1,851	1,840	11	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	7,295	6,469	826	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	4,133	3,231	902	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	2,626	255	2,371	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	538	236	302	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	9,982	7,932	2,050	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	33,486	18,044	15,442	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	54,592	14,351	40,241	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	36,173	4,103	32,070	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	27,931	5,776	22,155	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	165	82	83	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	6,352	1,006	5,346	-----	-----	-----	-----

## PORT EVERGLADES HARBOR, FLA.--CONTINUED

## FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
3791 MISC TRANSPORTATION EQUIPMENT-----	2,253	-----	2,253	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2,984	792	2,192	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	9,060	5,789	3,271	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	121,755	274	121,481	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	2,809	2,096	353	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	1,102	1	1,101	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	10,116	-----	10,116	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	600	-----	-----	-----	-----	-----	600
4112 COMMODITIES, NEC-----	36,085	19,319	16,766	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SC-----	957	-----	957	-----	-----	-----	-----
TOTAL TON-MILES, 27,728,665.							

## MIAMI HARBOR, FLA.

SECTION INCLUDED: ATLANTIC OCEAN TO INNER END OF TURNING BASIN AT MIAMI, 6 MILES; MELOY CHANNEL AND THENCE NATURAL CHANNELS ALONG THE EASTERN SIDE OF BISCAYNE BAY TO BAKERS HAULOVER INLET, FLA., ABOUT 11 MILES; CHANNEL FROM TURNING BASIN TO MOUTH OF MIAMI RIVER, 1.1 MILES; EXISTING FLORIDA EAST COAST RAILWAY CHANNEL, FISHERMANS CHANNEL FROM MOUTH OF MIAMI RIVER TO GOVERNMENT CUT, 3.8 MILES; AND THE CHANNELS REPORTED UNDER "MIAMI RIVER, FLA." CONTROLLING DEPTH: 38 FEET IN MIDDLE HALF OF ENTRANCE CHANNEL AND TURNING BASIN; ABOUT 19 FEET IN MELOY CHANNEL, AND THENCE 6.6 FEET IN NATURAL CHANNELS ALONG EASTERN SIDE OF BISCAYNE BAY TO BAKERS HAULOVER INLET; ABOUT 12 FEET IN CHANNEL FROM TURNING BASIN TO MOUTH OF MIAMI RIVER; AND 6.4 FEET IN FLORIDA EAST COAST RAILWAY CHANNEL; AND THE DEPTHS REPORTED UNDER "MIAMI RIVER, FLA." PROJECT DEPTH: 38 FEET IN ENTRANCE CHANNEL, TO BEACH LINE THENCE 36 FEET TO AND INCLUDING TURNING BASIN AT MIAMI; 15 FEET IN CHANNEL FROM TURNING BASIN TO MOUTH OF MIAMI RIVER; THE CHANNELS REPORTED UNDER "MIAMI RIVER, FLA." AND 8 FEET IN FLORIDA EAST COAST RAILWAY CHANNEL.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	3,667,050	1,368,580	1983-----	3,651,093	802,000
1979-----	3,576,771	812,440	1984-----	3,443,091	602,040
1980-----	3,929,398	817,446	1985-----	3,254,256	626,372
1981-----	3,626,026	809,072	1986-----	4,481,641	600,816
1982-----	3,160,063	866,000	1987-----	4,260,060	560,425

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	4,260,060	1,742,377	1,250,178	487,473	565,834	30,372	183,826
0101 COTTON, RAW-----	181	-----	181	-----	-----	-----	-----
0103 CORN-----	1,060	-----	1,040	-----	20	-----	-----
0104 OATS-----	42	-----	42	-----	-----	-----	-----
0105 RICE-----	84,553	128	84,425	-----	-----	-----	-----
0106 SORGHUM GRAINS-----	159	-----	159	-----	-----	-----	-----
0111 SOYBEANS-----	145	-----	106	-----	39	-----	-----
0119 OILSEEDS, NEC-----	1,012	185	314	513	-----	-----	-----
0121 TOBACCO, LEAF-----	2,106	1,086	469	322	229	-----	-----
0129 FIELD CROPS, NEC-----	637	168	344	67	58	-----	-----
0131 FRESH FRUITS-----	26,401	764	11,448	18,068	121	-----	-----
0132 BANANAS AND PLANTAINS-----	85,477	80,255	-----	5,222	-----	-----	-----
0133 COFFEE-----	94,064	66,388	7,275	20,401	-----	-----	-----
0134 COCOA BEANS-----	3,772	2,925	-----	847	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	63,005	29,406	10,951	14,605	43	-----	-----
0151 LIVE ANIMALS-----	42	-----	23	-----	19	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,456	223	1,032	8	193	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	8,310	5,570	1,412	1,283	45	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	469	54	415	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	2,240	1,771	208	256	5	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	8,073	5,585	400	1,896	16	176	-----
0912 SHELLFISH, EXCEPT PREPARED-----	26,740	25,420	775	545	-----	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	466	441	25	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	652	-----	652	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	34,774	34,693	81	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	242	-----	242	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	294	-----	294	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	163	4	159	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	38,031	38,031	-----	-----	-----	-----	-----
1411 LIMESTONE-----	45	22	-----	-----	23	-----	-----
1412 BUILDING STONE, UNWORKED-----	716	-----	708	-----	8	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	5,143	470	4,614	59	-----	-----	-----
1451 CLAY-----	7,090	583	5,407	-----	1,100	-----	-----
1471 PHOSPHATE ROCK-----	2,301	-----	2,301	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	307	307	-----	-----	-----	-----	-----
1491 SALT-----	12,606	10,113	2,493	-----	-----	-----	-----
1492 SULPHUR, DRY-----	288	-----	288	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	5,482	-----	5,482	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	7,868	5,540	2,285	-----	43	-----	-----
1911 ORNANCE AND ACCESSORIES-----	834	619	170	45	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	50,837	21,455	15,138	3,869	10,384	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	6,069	1,253	4,681	131	4	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	11,286	-----	11,284	-----	2	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	1,924	254	1,670	-----	-----	-----	-----

MIAMI HARBOR, FLA.--CONTINUED  
 FREIGHT TRAFFIC, 1987--CONTINUED  
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
2021 DAIRY PRODUCTS, NEC-----	6,400	1,263	4,584	553	-----	-----	-----
2022 DRIED MILK AND CREAM-----	10,429	1,576	8,770	44	39	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	21,303	7,369	2,330	11,553	51	-----	-----
2034 VEGETABLES AND PREP, NEC-----	33,002	20,387	10,732	1,689	194	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	73,539	49,666	22,294	1,426	153	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	14,304	-----	14,304	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	19,896	2,093	17,183	-----	620	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	29,514	4,115	24,446	345	608	-----	-----
2061 SUGAR-----	12,824	105	11,939	-----	780	-----	-----
2062 MOLASSES-----	21,677	-----	21,677	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	106,118	55,913	25,394	24,783	28	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	11,690	3,236	7,339	364	751	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	349	209	140	-----	-----	-----	-----
2094 GROCERIES-----	999	-----	-----	89	910	-----	-----
2095 ICE-----	12,566	12,093	-----	-----	-----	-----	473
2099 MISCELLANEOUS FOOD PRODUCTS-----	58,994	11,619	40,237	6,364	774	-----	-----
2111 TOBACCO MANUFACTURES-----	4,406	144	3,803	459	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	66,063	20,052	45,013	457	541	-----	-----
2212 TEXTILE FIBERS, NEC-----	174	77	77	77	13	-----	-----
2311 APPAREL-----	89,564	29,993	34,597	2,676	22,298	-----	-----
2411 LOGS-----	3,730	2,194	1,444	-----	92	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	281	45	236	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	2,074	309	1,765	-----	-----	-----	-----
2415 PULPMOOD, LOG-----	41	-----	41	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	149	100	-----	-----	49	-----	-----
2421 LUMBER-----	38,500	8,289	29,793	50	368	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	31,481	20,087	11,317	41	36	-----	-----
2491 WOOD MANUFACTURES, NEC-----	24,664	6,393	16,680	1,224	367	-----	-----
2511 FURNITURE AND FIXTURES-----	30,250	18,430	10,402	1,389	29	-----	-----
2611 PULP-----	5,140	-----	4,809	-----	331	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	52,308	50,345	1,940	-----	23	-----	-----
2631 PAPER AND PAPERBOARD-----	67,749	19,023	29,585	7	19,134	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	28,596	7,320	13,503	1,365	1,408	-----	-----
2711 PRINTED MATTER-----	7,224	2,433	4,500	232	59	-----	-----
2810 SODIUM HYDROXIDE-----	20	-----	-----	-----	20	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	901	552	327	-----	22	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	727	-----	693	-----	34	-----	-----
2813 ALCOHOLS-----	4,926	3,285	1,262	-----	379	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	1	-----	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	750	-----	578	-----	172	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	39,065	6,411	29,260	551	2,843	-----	-----
2821 PLASTIC MATERIALS-----	30,474	4,054	24,478	198	1,744	-----	-----
2822 SYNTHETIC RUBBER-----	1,804	1	1,690	-----	113	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	7,816	8	7,805	-----	3	-----	-----
2831 DRUGS-----	1,041	307	6,676	-----	58	-----	-----
2841 SOAP-----	19,928	4,753	14,048	893	232	-----	-----
2851 PAINTS-----	9,076	1,697	7,105	-----	274	-----	-----
2861 GUM AND WOOD CHEMICALS-----	2,197	932	1,198	-----	67	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	2,056	1,550	485	-----	21	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	545	-----	522	-----	23	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	213	-----	213	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	6,550	1,062	5,266	97	125	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	3,778	573	3,051	-----	154	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	21,641	4,254	17,098	93	196	-----	-----
2911 GASOLINE-----	122	-----	122	-----	-----	-----	-----
2912 JET FUEL-----	7,874	7,840	34	-----	-----	-----	-----
2913 KEROSENE-----	21	-----	21	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	77,951	24,974	40	22,796	28,596	1,545	-----
2915 RESIDUAL FUEL OIL-----	1,285,250	419,377	36	244,093	439,946	181,808	-----
2916 LUBRICATING OILS AND GREASES-----	11,712	68	11,056	-----	588	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,080	-----	405	-----	675	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	36,494	36,051	368	-----	77	-----	-----
2920 COKE, PETROLEUM COKE-----	494	-----	494	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	737	-----	737	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	5,767	-----	5,707	-----	60	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,075	67	368	25	615	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	46,908	21,713	23,420	1,567	208	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	16,623	13,231	3,197	157	38	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	30,040	15,439	12,218	1,228	1,155	-----	-----
3241 BUILDING CEMENT-----	41,887	39,859	1,968	22	38	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	187,754	161,955	8,836	16,963	-----	-----	-----
3271 LIME-----	521	-----	509	12	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	74,113	71,609	476	1,767	261	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	38,853	21,476	16,902	302	173	-----	-----
3311 PIG IRON-----	127	15	112	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	158	-----	158	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	13,391	6,931	3,207	3,252	1	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	5,691	1,098	4,575	18	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	4,673	981	3,625	62	5	-----	-----
3318 FERROALLOYS-----	1,296	860	64	372	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,471	3,589	2,850	-----	32	-----	-----
3321 NONFERROUS METALS, NEC-----	2,359	391	1,831	-----	137	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	5,535	905	4,466	-----	164	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,173	478	335	-----	360	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	13,829	8,651	4,548	497	133	-----	-----
3411 FABRICATED METAL PRODUCTS-----	95,585	52,644	37,887	2,695	359	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	109,915	18,639	86,581	1,745	1,350	1,600	-----
3611 ELECTRICAL MACH AND EQUIP-----	94,025	31,433	60,954	1,194	448	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	73,601	20,038	52,949	412	202	-----	-----
3721 AIRCRAFT AND PARTS-----	259	19	208	32	-----	-----	-----
3731 SHIPS AND BOATS-----	11,707	7,358	4,290	37	22	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	3,991	4	3,981	6	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	16,203	3,171	12,736	235	61	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	46,480	14,667	7,639	5,142	19,032	-----	-----

## JACKSONVILLE, FL, DISTRICT

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MIAMI HARBOR, FLA.--CONTINUED  
 FREIGHT TRAFFIC, 1987--CONTINUED  
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
4011 IRON AND STEEL SCRAP-----	4,466	47	4,403	-----	16	-----	-----
4012 NONFERROUS METAL SCRAP-----	18,458	9,385	8,929	144	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	9,718	57	9,642	19	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	74,735	-----	74,531	-----	204	-----	-----
4029 WASTE AND SCRAP, NEC-----	24	-----	-----	-----	24	-----	-----
4112 COMMODITIES, NEC-----	139,419	9,397	37,552	61,542	30,928	-----	-----
4119 EMPTY CONTAINERS-----	38	-----	-----	-----	38	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	590	-----	590	-----	-----	-----	-----
TOTAL TON-MILES, 18,165,646.							

MIAMI RIVER, FLA. (INCLUDED IN TRAFFIC OF  
 MIAMI HARBOR, FLA.)

SECTION INCLUDED: MOUTH TO N. W. 36TH STREET BRIDGE, 5.5 MILES. CONTROLLING DEPTH: 14.0 FEET AT MEAN LOW WATER FROM MOUTH TO MIAMI CANAL, AND THENCE TO 9.0 FEET TO N. W. 36TH STREET BRIDGE, 1.5 MILES. PROJECT DEPTH: 15 FEET UNDER FLOOD CONDITIONS FROM MOUTH TO A POINT 5.5 MILES UPSTREAM.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	326,943	400,000	1983-----	412,424	380,000
1979-----	368,458	400,000	1984-----	513,538	301,040
1980-----	394,391	405,400	1985-----	466,132	426,000
1981-----	412,707	404,536	1986-----	481,473	600,000
1982-----	445,803	400,000	1987-----	617,270	560,000

FREIGHT TRAFFIC, 1987  
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	617,270	163,825	452,796	176	473
0101 COTTON, RAW-----	53	-----	53	-----	-----
0103 CORN-----	343	-----	343	-----	-----
0104 OATS-----	39	-----	39	-----	-----
0105 RICE-----	76,831	-----	76,831	-----	-----
0119 OILSEEDS, NEC-----	65	-----	65	-----	-----
0121 TOBACCO, LEAF-----	235	35	200	-----	-----
0129 FIELD CROPS, NEC-----	109	-----	109	-----	-----
0131 FRESH FRUITS-----	855	2	853	-----	-----
0132 BANANAS AND PLANTAINS-----	3,294	3,294	-----	-----	-----
0133 COFFEE-----	1,667	988	679	-----	-----
0134 COCOA BEANS-----	605	605	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	10,682	513	10,169	-----	-----
0151 LIVE ANIMALS-----	9	-----	9	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	310	61	249	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	660	39	621	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	2	-----	2	-----	-----
0861 FOREST PRODUCTS, NEC-----	69	3	66	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,237	957	104	176	-----
0912 SHELLFISH, EXCEPT PREPARED-----	2,429	2,397	32	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	50	50	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	34,669	34,647	22	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	142	-----	142	-----	-----
1121 COAL AND LIGNITE-----	82	-----	82	-----	-----
1311 CRUDE PETROLEUM-----	38,031	38,031	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	223	-----	223	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,115	-----	2,115	-----	-----
1451 CLAY-----	528	43	485	-----	-----
1471 PHOSPHATE ROCK-----	518	-----	518	-----	-----
1491 SALT-----	10,392	10,113	279	-----	-----
1492 SULPHUR, DRY-----	140	-----	140	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	82	-----	82	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	456	-----	456	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	44	2	42	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	6,067	93	5,974	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	1,886	-----	1,886	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	3,486	-----	3,486	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	578	-----	578	-----	-----
2021 DAIRY PRODUCTS, NEC-----	2,631	1	2,630	-----	-----
2022 DRIED MILK AND CREAM-----	5,332	79	5,253	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	1,419	434	985	-----	-----
2034 VEGETABLES AND PREP, NEC-----	5,054	69	4,985	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	5,974	918	5,056	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	13,329	-----	13,329	-----	-----
2042 ANIMAL FEEDS-----	9,400	-----	9,400	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	17,250	111	17,139	-----	-----
2061 SUGAR-----	9,024	-----	9,024	-----	-----
2081 ALCOHOLIC BEVERAGES-----	12,336	99	12,237	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	3,808	23	3,785	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	18	17	1	-----	-----
2095 ICE-----	532	59	-----	-----	473

MIAMI RIVER, FLA. (INCLUDED IN TRAFFIC OF  
MIAMI HARBOR, FLA.)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
2099 MISCELLANEOUS FOOD PRODUCTS-----	19,591	321	19,270	-----	-----
2111 TOBACCO MANUFACTURES-----	485	1	484	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	8,765	321	8,444	-----	-----
2212 TEXTILE FIBERS, NEC-----	1	-----	1	-----	-----
2311 APPAREL-----	30,217	13,600	16,537	-----	-----
2411 LOGS-----	1,332	-----	1,332	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	125	34	91	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	1,547	304	1,243	-----	-----
2421 LUMBER-----	17,733	1,055	16,678	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,915	50	6,865	-----	-----
2491 WOOD MANUFACTURES, NEC-----	9,782	1,396	8,386	-----	-----
2511 FURNITURE AND FIXTURES-----	5,988	222	5,766	-----	-----
2611 PULP-----	593	-----	593	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	550	-----	550	-----	-----
2631 PAPER AND PAPERBOARD-----	4,960	241	4,719	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	7,473	766	6,707	-----	-----
2711 PRINTED MATTER-----	1,163	29	1,134	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	41	-----	41	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	53	-----	53	-----	-----
2813 ALCOHOLS-----	3,648	3,258	390	-----	-----
2817 BENZENE AND TOLUENE-----	59	-----	59	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	5,083	495	4,588	-----	-----
2821 PLASTIC MATERIALS-----	3,466	94	3,372	-----	-----
2822 SYNTHETIC RUBBER-----	66	-----	66	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	642	-----	642	-----	-----
2831 DRUGS-----	2,292	-----	2,292	-----	-----
2841 SOAP-----	5,487	637	4,850	-----	-----
2851 PAINTS-----	2,270	9	2,261	-----	-----
2861 GUM AND WOOD CHEMICALS-----	73	-----	73	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	88	-----	88	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	68	-----	68	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	839	-----	839	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	908	-----	908	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	2,480	7	2,473	-----	-----
2911 GASOLINE-----	18	-----	18	-----	-----
2913 KEROSENE-----	10	-----	10	-----	-----
2914 DISTILLATE FUEL OIL-----	224	224	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	5,056	5,056	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	3,466	-----	3,466	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	25	-----	25	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	13,726	13,670	56	-----	-----
2920 COKE, PETROLEUM COKE-----	385	-----	385	-----	-----
2921 LIQUEFIED GASES-----	70	-----	70	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	3,585	-----	3,585	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	187	-----	187	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	8,994	913	8,081	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	2,073	348	1,725	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	2,814	77	2,737	-----	-----
3241 BUILDING CEMENT-----	14,615	13,307	1,308	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	7,914	3,674	4,236	-----	-----
3271 LIME-----	463	-----	463	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	724	589	135	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	9,067	1,517	7,550	-----	-----
3311 PIG IRON-----	112	-----	112	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	147	-----	147	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,191	-----	1,191	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	2,457	-----	2,457	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,843	-----	1,843	-----	-----
3318 FERROALLOYS-----	23	19	4	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1,450	460	990	-----	-----
3321 NONFERROUS METALS, NEC-----	545	3	542	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,050	26	1,024	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	134	-----	134	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	919	462	457	-----	-----
3411 FABRICATED METAL PRODUCTS-----	16,235	1,709	14,526	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	15,683	1,231	14,452	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	17,338	1,429	15,909	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	17,304	966	16,336	-----	-----
3721 AIRCRAFT AND PARTS-----	12	1	11	-----	-----
3731 SHIPS AND BOATS-----	1,636	83	1,553	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,226	-----	1,226	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	820	114	706	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	2,504	355	2,149	-----	-----
4011 IRON AND STEEL SCRAP-----	124	15	109	-----	-----
4012 NONFERROUS METAL SCRAP-----	134	65	71	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	8,274	10	8,264	-----	-----
4024 PAPER WASTE AND SCRAP-----	5,232	-----	5,232	-----	-----
4112 COMMODITIES, NEC-----	17,341	890	16,451	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	146	-----	146	-----	-----
TOTAL TON-MILES, 1,850,512.					

## INTRACOASTAL WATERWAY, MIAMI TO KEY WEST, FLA.

SECTION INCLUDED: TURNING BASIN AT MIAMI TO KEY WEST, 158 MILES. CONTROLLING DEPTH: 4.0 FEET FROM CAPE FLORIDA TO CROSS BANK, 55.6 MILES; THENCE TO KEY WEST, 5 FEET VIA NATURAL CHANNEL AMONG THE KEYS (THIS SECTION NOT CONSTRUCTED), PROJECT DEPTH: 7 FEET.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	753,110	1983-----	590,346
1979-----	705,313	1984-----	398,062
1980-----	686,875	1985-----	172,178
1981-----	569,204	1986-----	1,038,988
1982-----	364,898	1987-----	494,917

## FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	THROUGH NORTHBOUND
TOTAL-----	494,917	15	517	310,437	700	172,828	10,413	7
0141 FRESH AND FROZEN VEGETABLES-----	2		2					
0911 FRESH FISH, EXCEPT SHELLFISH-----	968					968		
0912 SHELLFISH, EXCEPT PREPARED-----	143	8				135		
2042 ANIMAL FEEDS-----	1		1					
2049 GRAIN MILL PRODUCTS, NEC-----	9		9					
2095 ICE-----	10,413						10,413	
2099 MISCELLANEOUS FOOD PRODUCTS-----	47		47					
2211 BASIC TEXTILE PRODUCTS-----	97		97					
2311 APPAREL-----	83		83					
2691 PULP AND PAPER PRODUCTS, NEC-----	5		5					
2711 PRINTED MATTER-----	1		1					
2812 DYES, PIGMENT, TANNING MATS-----	11		11					
2819 BASIC CHEMICALS AND PROD, NEC-----	31		31					
2821 PLASTIC MATERIALS-----	22		22					
2831 DRUGS-----	2		2					
2841 SOAP-----	3		3					
2876 INSECTICIDES, DISINFECTANTS-----	1		1					
2891 MISCELLANEOUS CHEMICAL PROD-----	21		21					
2915 RESIDUAL FUEL OIL-----	481,512			310,087		171,425		
2921 LIQUEFIED GASES-----	24		24					
3011 RUBBER AND MISC PLASTIC PROD-----	18		18					
3211 GLASS AND GLASS PRODUCTS-----	1		1					
3251 STRUCTURAL CLAY PRODUCTS-----	4		4					
3316 IRON AND STEEL PLATES, SHEETS-----	15		15					
3411 FABRICATED METAL PRODUCTS-----	11		11					
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,381		31	350	700	300		
3611 ELECTRICAL MACH AND EQUIP-----	32		32					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	12		12					
3721 AIRCRAFT AND PARTS-----	7							7
3731 SHIPS AND BOATS-----	7	7						
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2		2					
3911 MISC MANUFACTURED PRODUCTS-----	3		3					
4112 COMMODITIES, NEC-----	28		28					
TOTAL TON-MILES, 29,805,248.								

## OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
BAKERS HAUOVER INLET, FLA.,-----				65,000
EAU GALLIE HARBOR, FLA.,-----	NO COMMERCE REPORTED			
FORT PIERCE HARBOR, FLA.,-----	0103 CORN-----	40		
	0105 RICE-----	9		
	0121 TOBACCO, LEAF-----	2,069		
	0131 FRESH FRUITS-----	50,314		
	0141 FRESH AND FROZEN VEGETABLES-----	17		
	0411 FRESH FISH, EXCEPT SHELLFISH-----	2,948		
	1451 CLAY-----	152,179		
	1471 PHOSPHATE ROCK-----	86		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	591		
	2042 ANIMAL FEEDS-----	927		
	2049 GRAIN MILL PRODUCTS, NEC-----	22		
	2095 ICE-----	670		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1		
	2211 BASIC TEXTILE PRODUCTS-----	42		
	2311 APPAREL-----	4		
	2421 LUMBER-----	140		
	2511 FURNITURE AND FIXTURES-----	17		
	2691 PULP AND PAPER PRODUCTS, NEC-----	1		
	2711 PRINTED MATTER-----	4		
	2872 POTASSIUM CHEM FERTILIZERS-----	531		
	2873 PHOSPHATIC CHEM FERTILIZERS-----	18		
	2876 INSECTICIDES, DISINFECTANTS-----	7		
	2879 FERTILIZER AND MATERIALS, NEC-----	42		
	2916 LUBRICATING OILS AND GREASES-----	9		
	2918 ASPHALT, TAR, AND PITCHES-----	4,567		
	3251 STRUCTURAL CLAY PRODUCTS-----	32		
	3411 FABRICATED METAL PRODUCTS-----	1		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	679		
	3611 ELECTRICAL MACH AND EQUIP-----	3		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	20		
	3911 MISC MANUFACTURED PRODUCTS-----	1		
	4112 COMMODITIES, NEC-----	2,354		
	TOTAL-----	218,545	859,326	1,002
INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FLA.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	6,023		
	0912 SHELLFISH, EXCEPT PREPARED-----	4,620		
	2095 ICE-----	2,375		
	2813 ALCOHOLS-----	1,286		
	2911 GASOLINE-----	5,411		
	2914 DISTILLATE FUEL OIL-----	28,596		
	2915 RESIDUAL FUEL OIL-----	113,634		
	2918 ASPHALT, TAR, AND PITCHES-----	2,363		
	3291 MISC NONMETALLIC MINERAL PROD-----	275		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	182		
	3411 FABRICATED METAL PRODUCTS-----	800		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	5,521		
	3611 ELECTRICAL MACH AND EQUIP-----	1,100		
	3721 AIRCRAFT AND PARTS-----	7		
	3731 SHIPS AND BOATS-----	386		
	3791 MISC TRANSPORTATION EQUIPMENT-----	290		
	4011 IRON AND STEEL SCRAP-----	12,079		
	4029 WASTE AND SCRAP, NEC-----	600		
	TOTAL-----	185,548	8,902,438	414,534
KEY WEST HARBOR, FLA.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5,333		
	0912 SHELLFISH, EXCEPT PREPARED-----	6,236		
	2095 ICE-----	20,463		
	2821 PLASTIC MATERIALS-----	1		
	2914 DISTILLATE FUEL OIL-----	4,879		
	2915 RESIDUAL FUEL OIL-----	131,223		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	2		
	3721 AIRCRAFT AND PARTS-----	9		
	3731 SHIPS AND BOATS-----	43		
	4112 COMMODITIES, NEC-----	6		
	TOTAL-----	168,195	921,823	54,285
MELBOURNE HARBOR, FLA.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	174		
	0912 SHELLFISH, EXCEPT PREPARED-----	3,480		
	TOTAL-----	3,654	3,654	
NEW RIVER, FLA. (INCLUDED IN TRAFFIC OF PORT EVERGLADES HARBOR, FLA.)-----	3315 IRON, STEEL SHAPES, EXC SHEET-----	182	364	65,000
OKLAHAMA RIVER, FLA.,-----				1,583,454
PONCE DE LEON INLET, FLA.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	311		
	0912 SHELLFISH, EXCEPT PREPARED-----	134		
	2095 ICE-----	485		
	TOTAL-----	930	2,790	
RICE CREEK, FLA.,-----	2915 RESIDUAL FUEL OIL-----	126,508	505,232	
ST. AUGUSTINE HARBOR, FLA.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	52		
	0912 SHELLFISH, EXCEPT PREPARED-----	917		
	2095 ICE-----	4,745		
	TOTAL-----	5,714	42,629	71,639
ST. LUCIE INLET, FLA.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,086		
	0912 SHELLFISH, EXCEPT PREPARED-----	3		
	TOTAL-----	2,089	8,356	

# ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL

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ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN  
NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA.

SECTION INCLUDED: NORFOLK, VA., TO THE ST JOHNS RIVER, FLA., 739 MILES. FOR CONTROLLING AND PROJECT DEPTHS SEE TABLES OF INDIVIDUAL  
STRETCHES LISTED SEPARATELY.

## COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	5,094,836	149,387	1983-----	3,882,066	114,844
1979-----	5,066,145	97,020	1984-----	3,384,016	79,338
1980-----	3,996,144	83,920	1985-----	3,145,316	93,538
1981-----	4,166,209	143,125	1986-----	4,386,542	107,502
1982-----	3,196,634	159,608	1987-----	4,681,055	165,395

## FREIGHT TRAFFIC, 1987

### OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC COASTWISE			
		RECEIPTS	SHIPMENTS	THROUGH NORTHBOUND	THROUGH SOUTHBOUND
TOTAL-----	5,774	1,328	225	4,200	21
2810 SODIUM HYDROXIDE-----	1,328	1,328			
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,571			2,550	21
3611 ELECTRICAL MACH AND EQUIP-----	1,100			1,100	
3731 SHIPS AND BOATS-----	300			300	
3791 MISC TRANSPORTATION EQUIPMENT-----	475		225	250	
TON-MILES, OCEANGOING,	3,227,575.				

### INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	NORTHBOUND	INBOUND NORTHBOUND	OUTBOUND NORTHBOUND	THROUGH NORTHBOUND	SOUTHBOUND	INBOUND SOUTHBOUND	OUTBOUND SOUTHBOUND	THROUGH SOUTHBOUND
TOTAL-----	4,675,281	23,552	195,471	18,899	1,061,501	3,119	965,459	182,316	2,224,964
0107 WHEAT-----	16,757							16,757	
0111 SOYBEANS-----	14,230				1,340			12,890	
0911 FRESH FISH, EXCEPT SHELLFISH-----	9,709	119	754	584	1,383	198	3,196	52	3,423
0912 SHELLFISH, EXCEPT PREPARED-----	22,042	958	1,178		604	2,226	12,520	1,272	3,284
1121 COAL AND LIGNITE-----	2,952								2,952
1442 SAND, GRAVEL, CRUSHED ROCK-----	759,003				5,000		745,599		8,404
1493 SULPHUR, LIQUID-----	574,750				574,750				
1499 NONMETALLIC MINERALS, NEC-----	1,806		935		873				
2042 ANIMAL FEEDS-----	2,884				2,884				
2061 SUGAR-----	4,653				4,653				
2095 ICE-----	2,112			2,112					
2211 BASIC TEXTILE PRODUCTS-----	4,406				800				3,606
2411 LOGS-----	54,100	22,100	32,000						
2414 TIMBER, POSTS, POLES, PILING-----	13	13							
2415 PULPWOOD, LOG-----	147,046				57,142			109,904	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	52,886								52,886
2421 LUMBER-----	891				862			29	
2631 PAPER AND PAPERBOARD-----	73,921			13,807	53,921				6,193
2691 PULP AND PAPER PRODUCTS, NEC-----	40,708								40,708
2810 SODIUM HYDROXIDE-----	74,156		61,904		700				11,552
2813 ALCOHOLS-----	2,968				2,400				568
2818 SULPHURIC ACID-----	19,890								19,890
2819 BASIC CHEMICALS AND PROD, NEC-----	339,900				20,400				319,500
2871 NITROGENOUS CHEM FERTILIZERS-----	21,824				15,071				6,753
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,392				8,962				4,430
2879 FERTILIZER AND MATERIALS, NEC-----	1,520,692				12,692				1,508,000
2911 GASOLINE-----	42,989				20,099				22,890
2912 JET FUEL-----	263,945		56,609	1,696	2,749		202,891		
2914 DISTILLATE FUEL OIL-----	33,115		2,606		14,138		1,193		15,170
2915 RESIDUAL FUEL OIL-----	261,602		38,810		187,514				35,278
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,090				1,090				
2918 ASPHALT, TAR, AND PITCHES-----	25,693				4,726				20,967
2920 COKE, PETROLEUM COKE-----	9,452								9,452
3291 MISC NONMETALLIC MINERAL PROD-----	5,745		480			5			5,300
3314 IRON AND STEEL PRIMARY FORMS-----	13,370				1,519				11,851
3315 IRON, STEEL SHAPES, EXC SHEET-----	129,093				62,288				66,805
3317 IRON AND STEEL PIPE AND TUBE-----	3,669			225	3,444				
3318 FERRALLOYS-----	3,779				3,779				
3319 IRON AND STEEL PRODUCTS, NEC-----	100	100							
3411 FABRICATED METAL PRODUCTS-----	645			350	211			50	34
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,360	262	195		48	290	40	672	853
3611 ELECTRICAL MACH AND EQUIP-----	53				29				24
3711 MOTOR VEHICLES, PARTS, EQUIP-----	20							20	
3721 AIRCRAFT AND PARTS-----	46				22		20		4
3731 SHIPS AND BOATS-----	496					400			86
3791 MISC TRANSPORTATION EQUIPMENT-----	165			125	40				
4011 IRON AND STEEL SCRAP-----	47,359				12,079				35,280
4029 WASTE AND SCRAP, NEC-----	41,268				600			40,668	
4112 COMMODITIES, NEC-----	11,482				2,689				8,793
TON-MILES, INTERNAL,	396,511,207.								

TONS, ALL TRAFFIC, 4,681,055.  
TON-MILES, ALL TRAFFIC, 399,734,780.



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**SECTION 2**  
**TRIPS AND DRAFTS OF VESSELS**

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# NEW ENGLAND DIVISION

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## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
BUCKSPORT HARBOR, MAINE										
				INBOUND					OUTBOUND	
35		5								
34		3								
33		2								
32		4								
31		2								
29							2			2
28		1			2		3			3
27		1					1			1
26					1		4		1	5
25					5		2			2
24		1			2		4			4
22		1								
21							1			1
20					1					
18					1		2			2
16			4				7	4		11
15						1	6	1	2	12
14							7			7
13		1			4		2			2
12			40					42		42
10		11								
8			4					6		6
6									3	3
5									3	3
4									3	3
3									1	1
TOTAL		12			2	14				
		44	48		18	110	1	43	53	110
PENOBSCOT RIVER, MAINE										
				INBOUND					DOWNBOUND	
24	1	19			20			16		19
22		1			6		3		3	3
21	1				3		1	1		2
20	2				2				1	1
19	1				1		1			1
18	1				1			2		2
17	1	2	2		4	2				4
16			4		2			2		5
15		17	4		14	2		3		5
14	3	21	96		120	1		102		103
13		6	28		52		1	35		36
12 AND LESS	12	3	70		47	5	71	68	113	257
TOTAL	22	96	204		118	15	91	215	117	438
SEARSPORT HARBOR, MAINE										
				INBOUND					OUTBOUND	
36		1								
35		2								
34		3					2			2
33	1	1								
32	2									
31		1								
30	1	2			1					
28	6	2				5	1		1	7
27	9	1			1	4	4			8
26	4	4				3	1			4
25	9	3				0	3			12
24	1	5			1	7	6			6
23	6					6	1			1
22	7	2				9	2		1	11
21	3	1				4	1			5
20	2			16	1	19	3		1	9
19				3		3	3			12
18 AND LESS	7	6	176	1	15	16	10	177	17	232
TOTAL	53	34	176	17	22	302	58	35	177	309
PORTLAND HARBOR, MAINE										
				INBOUND					OUTBOUND	
46	2	5				7				
45	4	5				9				
44	1	4				5				
43	1	3				4				
42		4				4				
41		1				1				
40		2				2				
39		4				4				
36		3				3				
37	1	12				13	1			1
36		14				14	1			1
35	2	11				13				
34		6				9	2			2
33		2				2	1	1		2
32	1	5			7	13	1		1	2
31	1	6			8	15	1			2
30		2			2	4			1	2
29		6			6	12	5	14		19
28	4	2			10	16	1	8	1	10
27	4	1			7	12	3	17	5	25
26		2			5	10	1	8	5	14
25	4	1			19	24	4	24	5	33
24	6			1	15	24	1	8		10

# Waterborne Commerce of the United States, 1987

## NEW ENGLAND DIVISION

### TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
PORTLAND HARBOR, MAINE--(CONTINUED)													
23		4	1	2	INBOUND		9	2	7	2	OUTBOUND		13
22		6		37		12	53	6	6	37		2	9
21		3				11	14	6	2			5	13
20		1			9	15	25	7	3			4	14
19		2				10	12	5	1			3	9
18 AND LESS		9,800	79	438	1	125	10,443	9,793	102	422	9	206	10,532
TOTAL		9,849	184	478	10	264	10,785	9,841	205	462	9	247	10,764
PORTSMOUTH HARBOR, N. H.													
37		3			INBOUND		3	1			OUTBOUND		1
36		3	16				19	6	1				7
35		16	16				16	1	1				2
34		1	19				20	1	1				1
33		5	7				12	1	1				2
32		7	1			1	9	1	2				3
31		2	3			1	6	1	5			1	7
30		3	4				7	1	5				5
29		4	4				9	2	9				11
28		1	3			5	8	2	8				10
27		1	2		1	3	8	1	8				9
26		4	6		1	2	5	4	6			1	11
25		3	1	2		3	13	7	8			1	16
24		3				2	8	3	5			1	9
23		3				6	12	2	7				9
22		1	2	14		6	23	4	9	13		2	28
21		1	1			4	6	3	3				6
20		4	1		2	4	11	3	3			1	7
19		1				5	6	4	1				5
18 AND LESS		624	15	115	2	42	798	620	17	115	6	69	827
TOTAL		670	107	131	6	85	999	666	100	128	6	76	976
SALEM HARBOR, MASS.													
32		18	6		INBOUND		1	1			OUTBOUND		1
31		2	2				2						
30		2				2	4						
29		1				1	1						
28		1				2	3						
27		3				4	7		1				1
26		1				2	3		2				2
25		1				2	4		1				1
24		2					2		1				1
23							2	18	4				22
22							1		1				1
21						1	1		4				4
20			1			1	2		6			1	6
19									1				1
18 AND LESS				4		11	15		1	4		21	25
TOTAL		19	20	4		25	68	19	20	4		22	65
PORT OF BOSTON, MASS.													
40		2	7		INBOUND		9		1		OUTBOUND		1
39		3	7				10		1				1
38		2	18				20		1				1
37		1	31				32	1	1				2
36		4	57				61	7	4				11
35		3	53				56	5	3				8
34		3	29				32	4	6				10
33		3	13				16	5	5				10
32		25	21			24	70	20	2				22
31		31	5			13	49	24	4			1	29
30		30	6			4	40	25	6				33
29		34	8			5	47	29	7				39
28		35	6		1	12	54	38	13			10	61
27		74	4		8	13	99	60	15			9	84
26		25	12		3	12	55	25	18				47
25		24	12		1	47	84	26	29				59
24		15	11	2	2	26	56	21	128				157
23		24	9			20	53	41	13				58
22		11	3	49	1	28	92	11	14	49		18	92
21		12	1		3	29	45	5	12				21
20		19			5	16	57	15	10	18			46
19		13			33	22	68	20	7		31		62
18 AND LESS		5,312	143	999	39	438	6,931	5,320	156	1,001	56	613	7,146
TOTAL		5,707	456	1,068	96	709	8,036	5,702	456	1,068	87	667	8,000
MAIN WATERFRONT (PORT OF BOSTON)													
41			5		INBOUND		5				OUTBOUND		
40		2	2				4		1				1
39		3	6				9		1				1
38		2	17				19		1				1
37		1	31				32	1	1				2
36		4	54				58	7	3				10
35		3	44				47	5	3				8
34		3	23				26	4	5				9
33		3	11				14	5	5				10
32		25	19			24	68	20	1				21

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
MAIN WATERFRONT (PORT OF BOSTON)--(CONTINUED)												
31	29	2			13	44	24	2			1	27
30	4	4			4	38	25	4			2	31
29	34	5			5	44	29	4			3	36
28	35	7		1	12	55	38	8			9	55
27	74	4		8	12	98	60	10			9	79
26	25	6		3	11	50	25	17			5	47
25	24	9		1	37	71	24	26			5	55
24	15	9	2	2	26	54	21	117			6	144
23	24	7		2	20	51	40	10			4	54
22	11	2	48	1	24	86	11	10	48		17	86
21	12			3	21	36	5	12			5	22
20	19		18	5	12	53	15	7	18		4	44
19	13			33	19	65	20	6		31	3	60
18 AND LESS	5,306	117	919	39	348	6,729	5,322	119	921	56	514	6,932
TOTAL	5,699	386	987	96	568	7,756	5,701	373	987	87	587	7,735
CHELSEA RIVER, MASS.												
37		16				16		3				3
36		33				33		1				1
35		33				33		2				2
34	1	17				18		1				1
33	1	7				8		2				2
32	5	12			24	41						
31	2	2			13	17					1	1
30	1	1			4	6		2			2	4
29	4	3			6	13		1			1	2
28	1	5			13	19	2	3			7	12
27	5	2			12	19	2	1			4	7
26	9	4			5	18	4	6			3	13
25	7	6			12	27	6	20			3	29
24	4	6	2		21	33	3	82			7	92
23	4	2			13	19	8	4			4	16
22	3	1	48		21	73	3	8	49		19	79
21	2				17	19	3	4			6	13
20	1		18		12	31	7	3	16		3	29
19		1			4	5		4			5	9
18 AND LESS		76	411		336	825	7	105	410		444	966
TOTAL	50	231	479		513	1,273	45	252	475		509	1,281
MYSTIC RIVER, MASS.												
35	1	21				22	7	2				9
34		1				1	2					2
33		1				1	3	1				4
32	1	2				3	2					2
31	1					1	1					1
29		1				1	2	1				3
28	1			1		2						
27	2	1		8		11		3				3
26	2			3	7	12	1	1				2
25	1			1	29	31	1	2			1	4
24	4	2		2	3	11	4	9				13
23	1				5	6	1	3			1	5
22	4	1		1	3	9	2	1				3
21	7			3	4	14	1	3				4
20	12			5	1	18	4	4	2			10
19	11			33	15	59	14			31		45
18 AND LESS	9	16	324	37	24	410	17	10	321	54	88	490
TOTAL	57	46	324	94	91	612	62	40	323	85	90	600
MEYMOUTH FORE RIVER, MASS.												
36		4				4		1				1
35		9				9						
34		6				6		1				1
33		2				2						
32		3				3		1				1
31	2	3				5		2				2
30		2				2		2				2
29		3				3		3				3
28		1				1		4				4
27								5				5
26		4				4		1			1	2
25		3				7	2	2				4
24		2				4		10				10
23		2				1	1	3				4
22		1	1			3		3	1		1	5
21		2				6		2			1	3
20						4		3			1	4
19						4		1				1
18 AND LESS	9	31	106		98	239		36	99		107	242
TOTAL	6	78	107		122	313	3	60	100		111	294
CAPE COD CANAL, MASS.												
32						32		20			1	22
31						30					1	1
30	1					12	10	1				11
29	2					11	11	5			1	17

# Waterborne Commerce of the United States, 1987

## NEW ENGLAND DIVISION

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
CAPE COD CANAL, MASS.--(CONTINUED)												
28 - - - - -	8		2	EASTBOUND						WESTBOUND		
27 - - - - -	13	2	1	11	11	22	31	17				48
26 - - - - -	9	1		11	28	55	22	10			5	37
25 - - - - -	11	2		4	52	66	29	5			1	35
24 - - - - -	10	4		1	51	65	14	9			2	25
23 - - - - -	5	5	1	1	71	86	17	12	1		2	32
22 - - - - -	17	2	76	2	44	141	10	2	2		2	16
21 - - - - -	20	2	20	3	46	91	11	3	76		4	94
20 - - - - -	22		44	16	39	121	6	3	21		2	32
19 - - - - -	12		15	9	40	76	3		43	1	7	54
18 AND LESS - - - - -	146	84	1,368	261	361	2,220	5		16		8	29
TOTAL - - - - -	278	102	1,527	309	879	3,095	178	87	1,371	290	839	2,765
VINEYARD HAVEN HARBOR, MASS.												
13 - - - - -		2		INBOUND						OUTBOUND		
12 AND LESS - - - - -	5,008	2	206	127	79	5,422	5,008	4	206	126	79	5,423
TOTAL - - - - -	5,008	4	206	127	79	5,424	5,008	4	206	126	79	5,423
WOODS HOLE CHANNEL, MASS.												
28 - - - - -				EASTBOUND						WESTBOUND		
25 - - - - -	3					3	1					1
20 - - - - -	1					1	2					2
18 - - - - -	1					1	1					1
17 - - - - -	1					1	1					1
15 - - - - -							1				1	2
14 - - - - -	1					1	1					1
13 - - - - -							3					3
12 - - - - -	1,967					1,967	1,967					1,967
11 - - - - -	3,787					3,787	3,787		2			3,789
10 - - - - -	31					31	31					31
8 - - - - -	8			50	4	62	1		2			3
7 - - - - -			142	62	3	207			136	13		151
6 AND LESS - - - - -	9		63	28	55	155	9		63	139	53	264
TOTAL - - - - -	5,808		205	140	62	6,215	5,806		205	139	67	6,217
NEW BEDFORD AND FAIRHAVEN HARBOR, MASS.												
27 - - - - -	1			INBOUND						OUTBOUND		
25 - - - - -	4				1	2	1					1
24 - - - - -	4				1	4	3					3
23 - - - - -	2					2	1					1
22 - - - - -	6	1			5	12	6	1			1	8
21 - - - - -	2					2	1					1
20 - - - - -	8				2	10	10					10
19 - - - - -	5					5	7				3	13
18 - - - - -	4				1	5	5					7
17 - - - - -	5	1	2		4	12	5		2		1	5
16 - - - - -	4	2			3	9	3		2			8
15 - - - - -	2	2	2		8	14	3		2		1	5
14 - - - - -	2	3	1		1	7	2		1		1	6
13 - - - - -					2	2	2		1			4
12 AND LESS - - - - -	11,211	306	1,134	158	941	13,750	11,192	314	1,133	158	965	13,762
TOTAL - - - - -	11,260	315	1,139	158	969	13,841	11,241	315	1,140	158	972	13,826
FALL RIVER HARBOR, MASS.												
34 - - - - -	59	8		INBOUND						OUTBOUND		
33 - - - - -		1				67						
32 - - - - -		1			1	1						
30 - - - - -		1			1	2						
29 - - - - -	2	1				3						
28 - - - - -	3				5	8	3	1				4
27 - - - - -	5	1		10	5	21	1	1			1	3
26 - - - - -	7	1		3	2	13	13	1				14
25 - - - - -	1	4			2	7	1					2
24 - - - - -		3			6	9	55		4			59
23 - - - - -								1				1
22 - - - - -		2			37	39		1			10	11
21 - - - - -	1				30	31	1	2				3
20 - - - - -		4	2		10	16		5			5	10
19 - - - - -					2	2		7			7	14
18 AND LESS - - - - -	45	33	727		117	922	46	29	729	11	195	1,010
TOTAL - - - - -	123	59	729	13	218	1,142	120	53	729	11	218	1,131
NEWPORT HARBOR, R. I.												
22 - - - - -	33	31		INBOUND						OUTBOUND		
18 - - - - -			1		1	64	32	29	1			63
17 - - - - -			2			2	1	1				3
16 - - - - -	1		2			3	1		4			5
15 - - - - -					1	1						
14 - - - - -	2		6			8	1		10			11
13 - - - - -			16			16			22			22
12 AND LESS - - - - -	665		8		3	676	664	1	9		3	677
TOTAL - - - - -	701	31	35		5	772	699	31	46		5	781

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
PROVIDENCE RIVER AND HARBOR, R. I.				INBOUND						OUTBOUND		
39 -	1	1				2						
38 -		1				1						
37 -	1	3				4						
36 -	1	11				12	2					2
35 -	13	0				13	4	4				8
34 -	2	10			1	13	5	3				8
33 -	5	4				9	7	1				8
32 -	9	9			2	19	6	1				7
31 -	3	11			1	15	3	3				6
30 -	6	10	2		1	23	7	6	1			14
29 -	8	6			1	15	4	3				7
28 -	11	5			11	27	7	5			3	15
27 -	20	11			3	34	10	7				17
26 -	7	8			2	19	18	12			1	31
25 -	5	1			34	40	11	13				25
24 -	12	3			13	26	9	14			2	25
23 -	5	4			21	33	8	8			1	17
22 -	5	2			32	42	9	7			16	32
21 -	14	3			10	27	12	7			2	21
20 -	5	1			13	19	4	5			4	13
19 -	5			1	40	46	1	5			3	9
18 AND LESS -	170	142	905	79	272	1,568	185	153	906	78	423	1,745
TOTAL -	312	259	907	80	457	2,015	312	257	907	78	456	2,010
NEW LONDON HARBOR, CONN.				INBOUND						OUTBOUND		
35 -		3				3	1	1				2
34 -	1	3				4		1				1
33 -		1				1	1					1
32 -	1	1				2	1					1
31 -	1					1						1
30 -		2				2	1					1
29 -	2	3				5		1				1
28 -	5	1				7	2	1				3
27 -	1					1		1				1
26 -	3	4				7	3	1				4
25 -	7					7	4					4
24 -	7					7	5	4			1	10
23 -	3				2	5	6	1				7
22 -	3	3			1	7	5	3				8
21 -	2	2				4	3	3				6
20 -	2	2			1	5	8	5				13
19 -	1	2			1	4	2	2			1	5
18 AND LESS -	5,499	14	208	73	124	5,916	5,495	15	209	69	124	5,912
TOTAL -	5,539	41	208	73	129	5,990	5,537	39	209	69	126	5,980
THAMES RIVER, CONN.				UPBOUND						DOWNBOUND		
20 -		3				3		3				3
19 -								4				4
18 -		1			2	3						
17 -		2	2		13	22			4			4
16 -		1				2		1				1
15 -		3			1	4						
14 -		3			2	5						
13 -		1	2		5	8						
12 AND LESS -		3	67	21	10	82		8	68	2	39	117
TOTAL -		17	71	2	39	129		16	72	2	39	129
CONNECTICUT RIVER BELOW HARTFORD, CONN.				UPBOUND						DOWNBOUND		
16 -		2			1	3						
15 -		1	2			3			2		1	3
14 -			16		22	40			15		3	18
13 -		37	33		24	94			32		1	33
12 -		60	84		188	332			86		2	82
11 -		11	76		27	114			75			75
10 -			69	20	10	99			69			69
9 -	1	1	5	4	4	15		63	15			78
8 -	28		3		6	37	28	49	3		2	82
7 -	92		6		1	99	92		6			98
6 AND LESS -	10,213		10,494	10,496	5	31,208	10,216		10,494	10,518	278	31,506
TOTAL -	10,334	112	10,790	10,520	288	32,044	10,336	112	10,791	10,518	287	32,044
NEW HAVEN HARBOR, CONN.				INBOUND						OUTBOUND		
36 -	4	44				48	2	7				9
35 -	2	19				21	4					4
34 -	5	13				19	4	3				7
33 -	3	14	1		1	19	7	1				8
32 -	7	12			6	25	1	7		1		9
31 -	10	5			3	18	6	2				8
30 -	7	2			2	11	5	26				31
29 -	11	7			2	20	9	6				15
28 -	12	6			7	25	12	9				21
27 -	17	3		1	1	22	11	8			2	21
26 -	13	3			5	21	24	13			3	40
25 -	23	2			60	85	7	10			3	20
24 -	14	4			11	29	13	13			2	28

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## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
NEW HAVEN HARBOR, CONN.--(CONTINUED)				INBOUND					OUTBOUND	
23 - - - - -	16	3		14	33	13	9		4	26
22 - - - - -	11	2	9	31	33	14	7	7	6	34
21 - - - - -	10	2		22	34	13	5		2	20
20 - - - - -	10		18	9	37	13	3	16	5	37
19 - - - - -	4			35	39	9	4		6	19
18 AND LESS - - - - -	349	146	1,952	58	632	360	154	1,956	55	804
TOTAL - - - - -	529	287	1,980	59	841	527	287	1,979	55	840
BRIDGEPORT HARBOR, CONN.				INBOUND					OUTBOUND	
33 - - - - -	19	5			24	3				3
32 - - - - -	9			1	10	1				1
31 - - - - -	6	1			7	3				3
30 - - - - -	6	1			7	10	4			14
29 - - - - -	7	1		1	9	11	1			12
28 - - - - -	13	2		10	25	9	1			10
27 - - - - -	8	2		4	14	5	2		1	8
26 - - - - -	5	1		2	9	14	1			15
25 - - - - -	7			1	8	6	1			7
24 - - - - -	5	2		1	8	7	1			8
23 - - - - -	6			3	9	7	2		1	10
22 - - - - -	14			7	21	5				5
21 - - - - -	4			4	8	7				7
20 - - - - -	3			10	13	11			3	14
19 - - - - -	3			1	4	5	1			6
18 AND LESS - - - - -	2,549	159	944	196	216	2,560	150	944	197	256
TOTAL - - - - -	2,664	174	944	198	260	2,664	164	944	198	260
NORWALK HARBOR, CONN.				INBOUND					OUTBOUND	
16 - - - - -				55	55					
15 - - - - -			10		10			10		10
14 - - - - -		1		2	3					
13 - - - - -		14	18	21	7			18		18
12 - - - - -		5	22	22	71			24		24
11 - - - - -			125	9	9			114		114
10 - - - - -			33	9	49		4	27		31
9 - - - - -					3		7			7
8 - - - - -			3		2		5	3		8
7 - - - - -				1	5		2		61	105
6 AND LESS - - - - -	1,188				1,189	1,188				
TOTAL - - - - -	1,188	20	211	61	108	1,188	18	196	61	105
STAMFORD HARBOR, CONN.				INBOUND					OUTBOUND	
29 - - - - -			2		2			2		2
17 - - - - -				1	1					
16 - - - - -				5	5					
15 - - - - -		3	6	3	12			8		8
14 - - - - -		3	8	1	12			8		8
13 - - - - -		10	18	13	41			18		18
12 AND LESS - - - - -		10	579	290	48		23	574	290	65
TOTAL - - - - -		26	613	290	71		23	610	290	65
ANDREWS RIVER, MASS.				NO VESSEL TRIPS REPORTED						
ANNISQUAN RIVER, MASS.				NO VESSEL TRIPS REPORTED						
APPONAUG COVE, R. I.				NO VESSEL TRIPS REPORTED						
BAR HARBOR, MAINE				INBOUND					OUTBOUND	
TOTAL, 12 AND LESS - - - - -	929				929	926				926
BASS HARBOR, MAINE				INBOUND					OUTBOUND	
TOTAL, 8 AND LESS - - - - -	2,696				2,696	2,696				2,696
BEALS HARBOR, MAINE				NO VESSEL TRIPS REPORTED						
BELFAST HARBOR, MAINE				INBOUND					OUTBOUND	
TOTAL, 14 AND LESS - - - - -	38		60		98	36		60		96
BEVERLY HARBOR, MASS.				INBOUND					OUTBOUND	
TOTAL, 13 AND LESS - - - - -	314		3		317	314		3		317
BOOTHBAY HARBOR, MAINE				INBOUND					OUTBOUND	
TOTAL, 13 AND LESS - - - - -	2,834		13		2,847	2,834		14		2,848
BRANFORD HARBOR, CONN.				NO VESSEL TRIPS REPORTED						

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
BRISTOL HARBOR, N. I. TOTAL, 6 AND LESS - - - - -	1,722			INBOUND		1,722	1,722			OUTBOUND		1,722
BUNKER HARBOR, MAINE				NO VESSEL TRIPS REPORTED								
CAMDEN HARBOR, MAINE TOTAL, 14 AND LESS - - - - -	16		1	INBOUND		17	16		1	OUTBOUND		17
CANAPITSIT CHANNEL, MASS. TOTAL, 6 AND LESS - - - - -	9			INBOUND		9	9			DOWNBOUND		9
CAPE PORPOISE HARBOR, MAINE				NO VESSEL TRIPS REPORTED								
CARVERS HARBOR, MAINE TOTAL, 18 AND LESS - - - - -	1,885	26		INBOUND		1,911	1,885	26		OUTBOUND		1,913
CHATHAM (STAGE) HARBOR, MASS. TOTAL, 8 AND LESS - - - - -	16,340			INBOUND		16,340	16,340			OUTBOUND		16,340
CLINTON HARBOR, CONN.				NO VESSEL TRIPS REPORTED								
COBSCOOK BAY, MAINE				NO VESSEL TRIPS REPORTED								
COMASSET HARBOR, MASS.				NO VESSEL TRIPS REPORTED								
COREA HARBOR, MAINE TOTAL, 4 AND LESS - - - - -	178			INBOUND		178	178			OUTBOUND		178
CRIEHAVEN HARBOR, MAINE				NO VESSEL TRIPS REPORTED								
CROSS HIP SHOALS, NANTUCKET SOUND, MASS. TOTAL, 15 AND LESS - - - - -	299	5	22	EASTBOUND	22	348	308	2	21	WESTBOUND	21	352
CUTTYHUNK HARBOR, MASS. TOTAL, 8 AND LESS - - - - -	190		3	INBOUND	3	196	190		3	OUTBOUND	3	196
JANARISCOTTA RIVER, MAINE TOTAL, 8 AND LESS - - - - -			1	INBOUND		1			1	DOWNBOUND		1
DEER ISLAND THOROUGHFARE, MAINE TOTAL, 11 AND LESS - - - - -		2		EASTBOUND		2		2		WESTBOUND		2
DORCHESTER BAY, MASS. TOTAL, 6 AND LESS - - - - -				INBOUND						OUTBOUND	1	1
DUXBURY HARBOR, MASS. TOTAL, 2 AND LESS - - - - -			1	INBOUND	1	2			1	OUTBOUND	1	2
EASTPORT HARBOR, MAINE TOTAL, 33 AND LESS - - - - -	1,265		3	INBOUND		1,269	1,238		3	OUTBOUND		1,241
EDGARTOWN HARBOR, MASS. TOTAL, 6 AND LESS - - - - -	21,722			INBOUND		21,722	21,722			OUTBOUND		21,722
ESSEX RIVER, MASS.				NO VESSEL TRIPS REPORTED								
FALMOUTH HARBOR, MASS. TOTAL, 7 AND LESS - - - - -	2,540			INBOUND		2,540	2,540			OUTBOUND		2,540
FIVEMILE RIVER HARBOR, CONN. TOTAL, 9 AND LESS - - - - -			6	INBOUND		12			6	OUTBOUND	6	12
FORT POINT CHANNEL, MASS.				NO VESSEL TRIPS REPORTED								
GLOUCESTER HARBOR, MASS. TOTAL, 25 AND LESS - - - - -	25,414	307		INBOUND		26,125	24,796	307		OUTBOUND		25,103



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### TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
GREAT SALT POND, BLOCK ISLAND, R. I. TOTAL, 4 AND LESS	24			INBOUND		24	24			OUTBOUND		24
GREEN HARBOR, MASS. TOTAL, 2 AND LESS	242			INBOUND		242	242			OUTBOUND		242
GREENWICH BAY, R. I.	NO VESSEL TRIPS REPORTED											
GREENWICH HARBOR, CONN. TOTAL, 13 AND LESS	2,374	5	4	INBOUND	2	2,389	2,376	5	4	OUTBOUND	2	2,387
GUILFORD HARBOR, CONN.	NO VESSEL TRIPS REPORTED											
HAMPTON HARBOR, V. I. TOTAL, 4 AND LESS	135			INBOUND		135	135			OUTBOUND		135
HARBOR OF REFUGE AT SANDY HAY, CAPE ANN, MASS. TOTAL, 3 AND LESS	105			INBOUND		105	105			OUTBOUND		105
HARBOR OF REFUGE, BLOCK ISLAND, R. I. TOTAL, 17 AND LESS	3,348		2	INBOUND		3,350	3,348		2	OUTBOUND		3,350
HARBOR OF REFUGE, NANTUCKET, MASS. TOTAL, 16 AND LESS	2,204	7	61	INBOUND	28 33	2,333	2,204	6	60	OUTBOUND	26 32	2,328
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, R. I. TOTAL, 11 AND LESS	2,990		1	INBOUND		2,991	2,990		1	OUTBOUND		2,991
HARRASSEKET RIVER, MAINE TOTAL, 6 AND LESS			2	UPBOUND		2			2	DOWNBOUND		2
HAY (WEST) HARBOR, V. I. TOTAL, 9 AND LESS	1,761		24	INBOUND	24	1,809	1,761		25	OUTBOUND	25	1,811
HENDRICKS HARBOR, MAINE TOTAL, 12 AND LESS			10	INBOUND		10			10	OUTBOUND		10
HINGHAM HARBOR, MASS.	NO VESSEL TRIPS REPORTED											
HOUSATONIC RIVER, CONN. TOTAL, 16 AND LESS			1	UPBOUND	30	31			1	DOWNBOUND	27	28
HYANNIS HARBOR, MASS. TOTAL, 11 AND LESS	4,551			INBOUND		4,551	4,551			OUTBOUND		4,551
IPSAWICH RIVER, MASS.	NO VESSEL TRIPS REPORTED											
ISLE AU HAUT THOROUGHFARE, MAINE TOTAL, 9 AND LESS	742	8		NORTHBOUND		750	742	8		SOUTHBOUND		750
ISLE OF SHOALS HARBOR, ME. AND V. I. TOTAL, 9 AND LESS	710			INBOUND		710	710			OUTBOUND		710
JOSTIAS RIVER, MAINE	NO VESSEL TRIPS REPORTED											
KENNEBEC RIVER, MAINE TOTAL, 25 AND LESS	44		36	UPBOUND	1	81	44		38	DOWNBOUND	1	87
KENNEBUNK RIVER, MAINE TOTAL, 8 AND LESS			4	UPBOUND		4			4	DOWNBOUND		4
LAGOON POND, MARTHA'S VINEYARD, MASS. TOTAL, 7 AND LESS			2	INBOUND	2	4			2	OUTBOUND	2	4
LUZEC CHANNEL, MAINE TOTAL, 8 AND LESS	44		3	NORTHBOUND		47	44		3	SOUTHBOUND		47

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
LYNN HARBOR, MASS. TOTAL, 10 AND LESS - - - - -		1		INBOUND		1					OUTBOUND	
MACTIAS RIVER, MAINE		NO VESSEL TRIPS		REPORTED								
MALEDEN RIVER, MASS.		NO VESSEL TRIPS		REPORTED								
MANCHESTER HARBOR, MASS.		NO VESSEL TRIPS		REPORTED								
MARBLEHEAD HARBOR, MASS. TOTAL, 6 AND LESS - - - - -	1			INBOUND		1					OUTBOUND	
MATIGNUS HARBOR, MAINE TOTAL, 11 AND LESS - - - - -	60	14		INBOUND		74	60	13			OUTBOUND	73
MATTAPUSETT HARBOR, MASS.		NO VESSEL TRIPS		REPORTED								
MENEMSHA CREEK, MARTHA S VINEYARD, MASS. TOTAL, 6 AND LESS - - - - -	1			INBOUND		1	1				OUTBOUND	1
MILFORD HARBOR, CONN.		NO VESSEL TRIPS		REPORTED								
MOOSABEE HAR, MAINE		NO VESSEL TRIPS		REPORTED								
MYSTIC RIVER, CONN. TOTAL, 8 AND LESS - - - - -	1,055			INBOUND		1,055	1,055				OUTBOUND	1,055
NARRAGANSETT RIVER, MAINE		NO VESSEL TRIPS		REPORTED								
NEPONSET RIVER, MASS.		NO VESSEL TRIPS		REPORTED								
NEA HARBOR, MAINE TOTAL, 6 AND LESS - - - - -	71			INBOUND		71	71				OUTBOUND	71
NEWBURYPORT HARBOR, MASS. TOTAL, 5 AND LESS - - - - -	320			INBOUND		320	320				OUTBOUND	320
NIAHTIC BAY AND HARBOR, CONN. TOTAL, 9 AND LESS - - - - -	364		43	INBOUND 43		407	364		43		OUTBOUND 43	407
NORTHEAST HARBOR, MAINE TOTAL, 15 AND LESS - - - - -	1,408			INBOUND		1,408	1,408				OUTBOUND	1,408
OWLS HEAD HARBOR, MAINE		NO VESSEL TRIPS		REPORTED								
PATCHOGUE RIVER, CONN.		NO VESSEL TRIPS		REPORTED								
PANCAUUCK RIVER, N. I. AND CONN.		NO VESSEL TRIPS		REPORTED								
PIG ISLAND GUT, MAINE		NO VESSEL TRIPS		REPORTED								
PLEASANT BAY, MASS.		NO VESSEL TRIPS		REPORTED								
PLEASANT RIVER, MAINE		NO VESSEL TRIPS		REPORTED								
PLYMOUTH HARBOR, MASS. TOTAL, 26 AND LESS - - - - -	1,952	1		INBOUND		1,953	1,952	1			OUTBOUND	1,953
PROVINCETOWN HARBOR, MASS. TOTAL, 25 AND LESS - - - - -	6,424			INBOUND		6,424	6,424				OUTBOUND	6,424
RED BRICK HARBOR, BOURNE, MASS.		NO VESSEL TRIPS		REPORTED								
ROCKLAND HARBOR, MAINE TOTAL, 23 AND LESS - - - - -	3,716	75	1	INBOUND		3,792	3,716	84	2		OUTBOUND	3,800
ROCKPORT HARBOR, MAINE		NO VESSEL TRIPS		REPORTED								

# Waterborne Commerce of the United States, 1987

## NEW ENGLAND DIVISION

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
ROCKPORT HARBOR, MASS. TOTAL, 6 AND LESS - - - - -	105				INBOUND	105	105				OUTBOUND	105
ROYAL RIVER, MAINE TOTAL, 12 AND LESS - - - - -			9		UPBOUND	9			9		DOWNBOUND	9
RYE HARBOR, NEW HAMPSHIRE			NO VESSEL TRIPS		REPORTED							
SACO RIVER, MAINE TOTAL, 6 AND LESS - - - - -			2		UPBOUND	2			2		DOWNBOUND	2
SAKONNET RIVER AND HARBOR, R. I.			NO VESSEL TRIPS		REPORTED							
SCARBORO RIVER, MAINE			NO VESSEL TRIPS		REPORTED							
SCITUATE HARBOR, MASS. TOTAL, 6 AND LESS - - - - -	2,752				INBOUND	2,752	2,752				OUTBOUND	2,752
SEEDONK RIVER, R. I.			NO VESSEL TRIPS		REPORTED							
SOUTH BRISTOL HARBOR, MAINE			NO VESSEL TRIPS		REPORTED							
SOUTHWEST HARBOR, MAINE TOTAL, 10 AND LESS - - - - -	38	18			INBOUND	56	38	18			OUTBOUND	56
ST. CROIX RIVER, MAINE			NO VESSEL TRIPS		REPORTED							
STOCKTON HARBOR, MAINE			NO VESSEL TRIPS		REPORTED							
STONINGTON HARBOR, CONN.			NO VESSEL TRIPS		REPORTED							
STONINGTON HARBOR, MAINE TOTAL, 13 AND LESS - - - - -	742	6	1		INBOUND	749	742	6	1		OUTBOUND	749
STONY CREEK, CONN.			NO VESSEL TRIPS		REPORTED							
TAUNTON RIVER, MASS.			NO VESSEL TRIPS		REPORTED							
TENANTS HARBOR, MAINE TOTAL, 6 AND LESS - - - - -	71				INBOUND	71	71				OUTBOUND	71
THOMASTON HARBOR (GEORGES RIVER), MAINE			NO VESSEL TRIPS		REPORTED							
TOWN RIVER, MASS. TOTAL, 24 AND LESS - - - - -		2	8		INBOUND	28		1	8		OUTBOUND	25
WAREHAM HARBOR, MASS.			NO VESSEL TRIPS		REPORTED							
WARREN RIVER, R. I. TOTAL, 9 AND LESS - - - - -	24		7		UPBOUND	32	24		7		DOWNBOUND	32
WARRICK COVE, WARRICK, R. I.			NO VESSEL TRIPS		REPORTED							
WELLFLEET HARBOR, MASS.			NO VESSEL TRIPS		REPORTED							
WESTPORT HARBOR AND SAUGATUCK RIVER, CONN. TOTAL, 10 AND LESS - - - - -			9		INBOUND	9			9		OUTBOUND	9
WESTPORT RIVER, MASS. TOTAL, 7 AND LESS - - - - -			4		UPBOUND	9			5		DOWNBOUND	10
WEYMOUTH JACK RIVER, MASS. TOTAL, 12 AND LESS - - - - -			4		INBOUND	4			4		OUTBOUND	4
WICKFORD HARBOR, R. I. TOTAL, 13 AND LESS - - - - -			17		INBOUND	17			17		OUTBOUND	17

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)					TOTAL					TOTAL
WINTHROP HARBOR, MASS. TOTAL, 8 AND LESS - - - - -			2	INBOUND	2			2	OUTBOUND	2
WOOD ISLAND HARBOR, MAINE AND THE POOL AT SIDDEFORD			NO VESSEL TRIPS REPORTED							
YORK HARBOR, MAINE TOTAL, 7 AND LESS - - - - -		1		INBOUND	1		1		OUTBOUND	1
ISLAND END RIVER, MASS. TOTAL, 18 AND LESS - - - - -			1	INBOUND 3	4			1	OUTBOUND 3	4

# Waterborne Commerce of the United States, 1987

## NEW YORK, NY, DISTRICT

### TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
<b>PORT CHESTER HARBOR, N. Y.</b>												
13 -		16		INBOUND				21		OUTBOUND		
12 -		13	48	7		68		20	54	2		76
11 -		2		58		60		7		19	1	27
10 -			200	37		237		3	199	9		211
9 -		12	122	44		178		7	169			116
8 -		6			1	15		7	10			17
7 -		14	9			23		7	14			21
6 AND LESS -		15		18		33		9		134	1	144
TOTAL -		76	387	164	1	636		81	386	164	2	633
<b>EAST CHESTER CREEK, N. Y.</b>												
15 -			45	INBOUND					47	OUTBOUND		
14 -		2	4		2	8		3	4		3	10
13 -		16	20		40	78		30	20		39	89
12 -		184	72		1	257		193	70		2	265
11 -		86	181	32	43	342		93	185	1	55	334
10 -		28	286	29	49	392		29	285	11	54	379
9 -		2	68	20	26	116		3	50	9	35	97
8 -		117	216	4	22	359		111	215	5	31	362
7 -		77	20	3	11	111		69	9		12	90
6 AND LESS -		97	16	17	191	321		84	16	78	149	331
TOTAL -		611	929	105	385	2,029		619	901	104	380	2,004
<b>BRONX RIVER, N. Y.</b>												
16 -				INBOUND						OUTBOUND		
15 -			10			10			10		1	1
14 -			2		1	3			2			2
13 -			16	4		20			16	5		21
12 -			51	92		143			51	17		68
11 -			60	65		125			51	9		60
10 -			90	31		121			89			89
9 -			29	16		45			39	16		55
8 -	264		33			297	264		33			297
7 -	3,017			21	2	3,040	3,017			182		3,199
6 AND LESS -												
TOTAL -	3,281		291	229	3	3,804	3,281		291	229	1	3,802
<b>WESTCHESTER CREEK, N. Y.</b>												
14 -				INBOUND						OUTBOUND		
13 -		3	2		1	6		3	2		1	6
12 -		1	147			148		2	155		2	159
11 -			104		22	126		4	104		27	135
10 -		5	45		20	70		1	39		22	62
9 -					4	4				1	5	6
8 -			19		2	21			19		1	20
7 -		2			2	4					3	3
6 AND LESS -		4			51	55		1		1	52	54
TOTAL -		15	317		102	434		13	319	2	114	448
<b>FLUSHING BAY AND CREEK, N. Y.</b>												
16 -			2	INBOUND					2	OUTBOUND		
15 -			7	29	2	33			9	1	2	5
14 -		1	15	6	16	23		2	15		14	18
13 -		3	48	1	18	35		7	48		23	31
12 -		12	178	3	34	227		12	174	2	37	225
11 -		15	105	88	4	212		19	103		5	127
10 -		11	157	567	9	844		9	162	570	8	749
9 -		3	155	41	3	202		7	154	1	2	164
8 -		4	53	3	4	68		13	53		4	70
7 -		5	20	1		26		11	28			39
6 AND LESS -		27		536	86	649		6		801	88	895
TOTAL -		85	740	1,375	191	2,391		86	748	1,375	192	2,401
<b>HARLEM RIVER, N. Y.</b>												
16 -				INBOUND						OUTBOUND		
15 -			2		25	27			2		24	26
14 -		3			16	19		5			10	13
13 -			6		1	7			6		1	7
12 AND LESS -	2,245	86	615	300	71	3,367		87	511	193	81	872
TOTAL -	2,245	89	623	300	108	3,415		90	519	193	116	918
<b>HUDSON RIVER, N. Y. (LOWER SECTION)</b>												
39 -		1		INBOUND						OUTBOUND		
38 -						1		4				4
36 -		2				2						2
35 -		2				2		2				2
34 -		1	1			2		1				1
33 -		1				1		1				1
32 -		1				1						1
31 -								1				1
30 -		1				1		4				4
29 -		3				3		2				2
28 -		1				1		2				2

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
HUDSON RIVER, N. Y. (LOWER SECTION) - (CONTINUED)													
				INBOUND							OUTBOUND		
27	1					1							
26	1					1							
25							21					21	
23				2		2							
22				7		7							
21					1	1					37	37	
20				4		4							
18 AND LESS	1	68	369	7	169	614	2	38	361	19	105	525	
TOTAL	16	69	369	20	170	644	40	38	361	19	142	600	
HUDSON RIVER CHANNEL, N. Y. AND N. J.													
				INBOUND							OUTBOUND		
42	1					1	1					1	
40	1					1	1					1	
39	6					6	6					6	
36	9					9	10	1				11	
37	22	1				23	15					15	
36	15					15	17					17	
35	13					13	16					16	
34	21					21	16					16	
33	32	1				33	29					29	
32	35					35	30					30	
31	32					32	29					29	
30	62					62	57					57	
29	30		3			33	39		3			42	
28	44					44	51					51	
27	56					56	58	1				59	
26	23					23	24					24	
25	9					9	9					9	
24	29					29	29					29	
23	1					1	3					3	
22	1					1							
21	1					1	2					2	
20	1					1	1					1	
18 AND LESS	11,125	261	1,940	1,696	191	15,213	11,132	228	1,964	1,694	185	15,203	
TOTAL	11,573	263	1,943	1,696	191	15,666	11,575	230	1,967	1,694	185	15,651	
EAST RIVER, N. Y.													
				INBOUND							OUTBOUND		
48		1				1		1				1	
47							1	1				2	
45		1				1							
44	1	1				2	2					2	
43		1				1		2				2	
42		1				1							
40		3				3		2				2	
39	1					1							
38	3	2				5	1	2				3	
37	1					1	1	1				2	
36	2	2				4	3	3				6	
35	7	1				8	8	5				13	
34	4	2				10	5	2				7	
33	2	1				3	4	1				5	
32	12	2			3	17	12				3	15	
31	5	1				9	12				1	13	
30	7	2			7	16	8	2			2	12	
29	3		4		3	10	4		4			6	
28	5				9	15	5	1			5	11	
27	11				4	19	3	1			4	8	
26	5				11	19	8	1			5	14	
25	1				5	7	5	2			10	18	
24	14	1			5	21	17	2			3	23	
23	11			1	5	17	10	1			9	21	
22	10			6	4	20	9			1	8	18	
21	19		1		12	32	16	1	1		23	41	
20	7	7			5	20	12	1	7		4	24	
19	1				15	16	4				7	11	
18 AND LESS	8,547	536	4,981	1,665	769	16,503	8,559	565	4,941	1,662	806	16,533	
TOTAL	8,690	540	4,993	1,672	864	16,779	8,709	597	4,953	1,666	890	16,815	
NEWTOWN CREEK, N. Y.													
				INBOUND							OUTBOUND		
21			2			2			2			4	
16					1	1						2	
17			12			12		43	14			57	
16		3	23		1	27		5	25		2	33	
15		3	134	82	3	222		3	130	82	7	222	
14		26	76		14	110		34	72		14	120	
13		24	130		15	172		34	122		21	181	
12 AND LESS	439	1,154		1,091	421	3,105	371	1,159		1,091	411	3,032	
TOTAL		495	1,525	1,173	454	3,651		495	1,524	1,173	459	3,651	
BUTTERMILK CHANNEL, N. Y.													
				INBOUND							OUTBOUND		
37	9					9	6					6	
36	5					5	6					6	
35	7					7	7					7	
34	14					14	16					16	
33	21					21	20					20	
32	34					34	32					32	

# Waterborne Commerce of the United States, 1987

## NEW YORK, NY, DISTRICT

### TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
BUTTERMILK CHANNEL, N. Y.--(CONTINUED)													
31	16			1480JND		16	13			OUTBOUND		13	
30	10					10	11					11	
29	25					25	28					28	
28	16					16	14					14	
27	13					13	14					14	
26	17					17	13					13	
25	9					9	6	2				8	
24	11					11	9	1			1	11	
23	2					2	4					4	
22	13					13	15					15	
21	10					10	7					7	
20	10		6			16	10	1	8			19	
19	6					6	10	1				11	
18 AND LESS	47	85	1,946	2	92	2,172	47	73	1,946	5	95	2,166	
TOTAL	295	83	1,954	2	92	2,426	288	78	1,954	5	96	2,421	
BAY RIDGE AND RED HOOK CHANNELS, N. Y.													
42	1			1480UND		1	1			OUTBOUND		1	
38	1					1							
36	1					1	2					2	
35	1					1	1					1	
34	2					2	5					5	
33	5					6	4					4	
32	15					15	14					14	
31	3					3	3					3	
30	3					3	5					5	
29	5					6	8					8	
28	6					6	6					6	
27	3					5	6					6	
26	6					6	10					10	
25	5					5	4					4	
24	14					14	10				2	12	
23	2					2	5					5	
22	5					5	5					5	
21	5					6	3					3	
20	1		24			25	6		24			30	
19	1					4	2					2	
18 AND LESS	25	196	2,645	175	72	3,116	39	206	2,568	128	75	3,016	
TOTAL	121	196	2,669	175	72	3,233	139	206	2,592	128	77	3,142	
BOWMAN'S CREEK CHANNEL, N. Y.													
32	5			INBOUND		5	6			OUTBOUND		6	
30					1	1							
29			2			2							
26	1				1	2	2			1		3	
25	1					1	1			1		1	
24	1				1	2	1			1		1	
23	1				1	2	1			1		1	
22					2	2				2		2	
21					2	2				2		2	
20					5	5				6		6	
19	1				1	2	2			3		5	
18 AND LESS	52	400	3,277	1,275	198	5,202	42	392	3,277	1,275	213	5,199	
TOTAL	62	400	3,279	1,275	212	5,228	55	392	3,279	1,275	230	5,231	
CONEY ISLAND CHANNEL, N. Y.													
20				EASTBOUND		2				WESTBOUND			
17		4	9		2	13			6			6	
16		23	8			31			8			8	
15		17	74		3	94			72			72	
14		65	60		27	152			60			60	
13		103	120		62	285		1	129		1	131	
12		157	232		155	545		1	248			249	
11		80	257		185	570		6	256		1	263	
10		26	242		62	386		31	230		1	262	
9		4	96		33	191		4	77			81	
8		2	47		73	122		216	39		2	257	
7			120		4	125		83	101		1	185	
6	12				5	17	12	28			2	42	
5					2	2					2	2	
4								32			67	99	
3					1	1		31			371	402	
2										103	136	239	
TOTAL	12	481	1,265	147	631	2,536	12	437	1,226	103	585	2,363	
EAST ROCKAWAY INLET, N. Y.													
16		1		UPBOUND		1				DOWNBOUND			
15		2				2							
14		75	4		37	116			4		1	5	
13		41			5	86		1				1	
12		134	114		21	271		9	120		6	135	
11		67	36		14	119		15	36		6	59	
10		11	2		15	28		113	2		12	127	
9					10	10		30	1		31	31	
8					2	2		119				119	

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
EAST ROCKAWAY INLET, N. Y.--(CONTINUED)												
7 - - - - -				INBOUND	2	2		39		DOWNBOUND		39
6 AND LESS - - - - -	6,754				24	6,778	6,755	46			102	6,903
TOTAL - - - - -	6,754	373	158		130	7,415	6,755	372	165		127	7,419
JAMAICA BAY, N. Y.												
21 - - - - -				INBOUND						OUTBOUND		
20 - - - - -					1	1					1	1
18 - - - - -					3	3					3	3
17 - - - - -		1	8			9		171	9		4	184
16 - - - - -		14	8			22		9	8			17
15 - - - - -		9	82		2	93		9	76		4	89
14 - - - - -		35	60		11	106		30	62		17	109
13 - - - - -		53	122		30	205		142	131		33	306
12 AND LESS - - - - -	12	615	1,001	145	564	2,337	12	359	974	106	570	2,021
TOTAL - - - - -	12	727	1,281	145	611	2,776	12	720	1,260	106	633	2,731
RARITAN RIVER, N. J.												
25 - - - - -				INBOUND	7	7		1		OUTBOUND	12	13
24 - - - - -					4	4					9	9
23 - - - - -					6	6					9	9
22 - - - - -					4	4					1	10
21 - - - - -					7	7					40	40
20 - - - - -					6	6					13	13
19 - - - - -					5	5					11	11
18 - - - - -					19	19					28	28
17 - - - - -			46		12	58					19	61
16 - - - - -			124		5	129		1	42		19	146
15 - - - - -		1	216		9	226		1	224		72	297
14 - - - - -	18		63		13	94	18		67		16	101
13 - - - - -		1	306		9	316			307		14	321
12 AND LESS - - - - -		12	915	581	304	1,616	1	10	904	582	443	1,640
TOTAL - - - - -	18	14	1,676	581	414	2,697	19	13	1,670	582	415	2,699
UPPER BAY, NEW YORK HARBOUR, N. Y., AND N. J.												
52 - - - - -			1	INBOUND		1		1		OUTBOUND		1
51 - - - - -			1		1	1		1			1	1
50 - - - - -			3		5	5	1	1			2	2
49 - - - - -	2	3			2	2		1			1	1
48 - - - - -		4			7	7		3			6	6
47 - - - - -	3	7			15	15	4	2			6	6
46 - - - - -	5	9			16	16	5	1			6	6
45 - - - - -	13	45			58	58	4	24			28	28
44 - - - - -	6	21			27	27	2	9			11	11
43 - - - - -	7	17			24	24	6	11			17	17
42 - - - - -	19	42			61	61	12	16			28	28
41 - - - - -	6	70			78	78	4	10			14	14
40 - - - - -	12	100			112	112	6	45			51	51
39 - - - - -	7	77			85	85	4	21			25	25
38 - - - - -	7	64	1		72	72	4	30			34	34
37 - - - - -	6	70			76	76	2	34			36	36
36 - - - - -	20	65			86	86	10	31			41	41
35 - - - - -	14	48			62	62	15	22			37	37
34 - - - - -	9	26			35	35	6	9			16	16
33 - - - - -	5	55			60	60	2	34			36	36
32 - - - - -	11	10	3		26	26	9	10	1		4	24
31 - - - - -	11	6			19	19	6	10			1	17
30 - - - - -	9	5	1		15	15	12	14	1		9	36
29 - - - - -	4	6	12		24	24	5	6			6	31
28 - - - - -	7	5			5	20	6	6			15	27
27 - - - - -	11	9			20	20	11	9			11	31
26 - - - - -	19	5			8	35	13	7			9	29
25 - - - - -	9	4			13	26	12	18			42	72
24 - - - - -	5	6			15	27	6	12			23	41
23 - - - - -	4				12	16	1	4			28	33
22 - - - - -	2	2			23	27	1	6		1	37	45
21 - - - - -	3	1			9	13	2	6		1	32	41
20 - - - - -	1	1	11		13	26	0	2	11		34	51
19 - - - - -	3		1	10	17	31		4	1	17	34	56
18 AND LESS - - - - -	24,093	230	15,359	310	1,363	41,355	24,092	266	15,286	289	1,240	41,173
TOTAL - - - - -	24,344	1,220	15,348	320	1,491	42,563	24,272	666	15,312	308	1,526	42,106
NEWARK BAY, N. J.												
42 - - - - -	2			INBOUND		2	2			OUTBOUND		2
41 - - - - -		1				1		1			1	1
40 - - - - -	11	4			15	14	14	3			17	17
39 - - - - -	14	4			18	12	12	4			16	16
38 - - - - -	18	6			24	25	25	3			28	28
37 - - - - -	83	4			87	92	92	4			96	96
36 - - - - -	101	6			107	95	7				102	102
35 - - - - -	127	6			133	107	5				112	112
34 - - - - -	144	7			152	145	7				152	152
33 - - - - -	157	5			162	136	1				137	137
32 - - - - -	213	7			220	206	4				210	210
31 - - - - -	193	5			199	193	3				196	196
30 - - - - -	231	3			236	227	2			2	231	231



## Waterborne Commerce of the United States, 1987

NEW YORK, NY, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
NEWARK BAY, N. J.--(CONTINUED)												
29	174	3		INBOUND	1	182	226	3		OUTBOUND		229
28	184	7			9	199	237	7			3	247
27	163	8			2	173	140	5			4	149
26	146	5			2	153	158	5			2	165
25	99	5			9	113	106	7			8	121
24	129	1			9	139	145	3			5	153
23	70	1			1	72	64	2			1	67
22	37		1		5	43	71	3	1		2	77
21	35	3			7	45	61	5			3	69
20	29	4	3		9	44	25	3	3		10	41
19	25	4		39	17	84	27	3		31	15	76
18 AND LESS	341	357	7,669	82	1,229	9,477	370	316	7,664	79	1,232	9,661
TOTAL	2,770	452	7,673	120	1,305	12,370	2,924	406	7,668	110	1,287	12,395
HACKENSACK RIVER, N. J.												
29			3	INBOUND	1	4			3	OUTBOUND		4
25											1	1
24				1		1						
22			4	8	7	73			8		2	10
21				72	1	73					8	8
20				2	1	3					1	1
19					2	2					1	1
18 AND LESS		30	1,345	209	384	1,968		31	1,343	292	385	2,051
TOTAL		30	1,356	292	395	2,074		31	1,354	292	399	2,076
PASSAIC RIVER, N. J.												
32		11		INBOUND		11		10		OUTBOUND	1	11
31		4				4		3				3
30		16				16		17			1	18
29		1				1					1	1
28		2				2		2			2	4
27		5				5		2				2
26		1				1		4				5
25					4	4		3			11	14
24		6			1	7		5			2	7
23		4			5	7		3			16	19
22								2			5	7
21					6	6		1			42	43
20	1		1	1	9	12			1		7	8
19		20		8	17	45					7	7
18		5		5	86	99		81			14	95
17		13	160	5	11	207		94	173		27	294
16		15	110	1	21	147		108	104		22	234
15		13	180		25	218		84	168		49	321
14		29	392		50	471		75	392	1	134	602
13		33	360	1	65	465		75	383		117	575
12 AND LESS	2	1,065	2,229	46	966	4,268	4	615	2,217	53	826	3,717
TOTAL	3	1,163	3,458	66	1,286	5,998	4	1,184	3,458	54	1,287	5,987
NEW YORK AND NEW JERSEY CHANNELS, N. Y. AND N. J.												
52				UPBOUND						DOWNBOUND		
50		3				3		1				1
49		1				1		1				1
48		3				3		1				2
47	4	3				7	1	4				5
46	3	6				9	3	5				8
45	6	30				36	1	9				10
44	5	10				15	2	6				8
43		8				8		4				4
42	5	17				22	2	15				17
41	1	20				22	2	12			1	15
40	1	35			1	36	1	36			1	38
39	2	30				32		39				39
38	2	36				40	2	53	1			56
37	4	58				62	3	95			3	101
36	3	50				53	1	95			4	100
35	4	39				43	5	97				102
34	4	14				18	3	46			3	52
33	3	26				29	2	44			3	49
32	3	34	3		15	50	1	41	21		23	86
31	2	14			7	23	2	42			11	55
30	2	35	1		13	51	4	61	3		10	78
29		29	6		16	51	1	45	4		10	58
28	2	20			57	69	1	41		2	29	73
27	4	46			32	82		40			11	74
26	5	27		2	30	64	3	34			5	65
25	4	39		1	197	241		54			5	143
24	4	40	4	2	71	121	1	37			3	114
23			2	1	74	107		15	2		3	92
22		15	51	2	137	185			70		3	188
21		17		3	182	203		14			3	141
20		12	57	4	84	137		34	53		1	194
19		4	2	3	109	123		23			5	110
18 AND LESS	1,994	3,574	30,186	6,095	7,726	48,285	574	4,004	31,526	7,221	8,602	52,027
TOTAL	775	4,336	30,272	6,114	8,755	50,294	714	5,008	31,680	7,274	9,448	54,215

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, N. J.												
				UPBOUND						DOWNBOUND		
25					9	8					11	11
24					2	2					11	11
23					4	4					9	9
22					7	7					7	7
21					11	11					5	5
20					9	9					9	9
19					6	6					10	10
18					19	19					24	24
17				38	16	54			42		14	56
16				134	19	153		1	134		5	140
15		2		232	10	244			231		11	242
14	22			58	14	94	14		60		15	89
13		1		250	9	260			248		14	262
12		2		387	28	448			387	10	14	411
11		2		122	7	326			126	6	3	131
10		4		255	2	462		9	255	14	5	283
9				14	2	16			12	3		15
8		1		15	1	18			16	17		35
7		1		5		9			6			6
6					1	1					21	21
5					1	1						
4				5	8	14					12	12
3		3	2	16	115	139			2	239	93	334
2				115	2	118				276	8	284
TOTAL	22	16	1,515	563	304	2,425	14	10	1,515	567	304	2,410
NEW YORK HARBOR, N. Y. LOWER ENTRANCE CHANNELS												
				INBOUND						OUTBOUND		
47	16	29				45	20	21				41
46	17	12				22	6	7				15
45	14	57				71	10	55				65
44	10	24				39	10	19				29
43	10	22				32	9	21				30
42	25	57				83	24	33				57
41	4	84			3	95	5	31		1		37
40	27	140			1	166	22	85				107
39	32	121			1	154	24	55				79
38	41	122	2			165	47	71				118
37	116	141			3	260	116	89				205
36	151	124			5	280	138	86				224
35	179	133				312	161	71				232
34	248	77			2	327	243	28				271
33	231	74			1	306	202	30			1	233
32	349	52	10		22	433	312	52	9		3	376
31	273	44			7	324	264	34			5	303
30	331	64	4		13	412	329	76	2		4	411
29	264	31			2	297	315	40			5	360
28	402	41			37	380	337	54			10	401
27	272	45			11	328	240	75		4	3	326
26	233	28			10	271	246	69			4	321
25	141	24			35	207	169	98		1	13	281
24	222	52			40	294	236	67		4	11	320
23	106	12		3	17	138	124	37		3	53	217
22	70	11	56	21	31	169	116	47	20	2	25	210
21	83	6		36	60	238	113	38	1	3	174	329
20	51	10		7	35	115	62	50	14	1	2	129
19	42	11		10	46	110	47	29	1	4	30	111
18	232	1,387	2,220	97	903	4,839	244	1,533	2,174	194	920	5,065
TOTAL	4,490	3,626	2,283	224	1,291	10,914	4,197	3,001	2,221	220	1,264	10,903
HUDSON RIVER, N. Y., DEEPWATER IN UPPER BAY, N. Y., TO WATERFORD, N. Y. FOREIGN AND COASTWISE												
				UPBOUND						DOWNBOUND		
42	1					1	4	1				5
41		1				1						
40	1					1	1	1				2
39	7	1				6	6	1				7
38	9	2				11	14	2				16
37	22	3				25	15	2				17
36	20					20	17	1				18
35	15					15	18					18
34	29	1				29	23	1				24
33	36	3				39	30					30
32	61	9			1	71	33	3				36
31	40	9				49	36	3				39
30	66	7			1	74	62	1				63
29	47	3			1	51	46	5				51
28	79	5			3	85	64	4		1		69
27	49	1			1	71	69	5		16		90
26	35	4			1	38	41	10		3		54
25	20	1			9	30	30	6		1		37
24	44	1			4	49	41	3		1		45
23	15	1			5	21	34	3				37
22	9	2	1	7		13	14	4			1	19
21					3	12	22	1			1	24
20	2			4	2	8	5					6
19						2	2	1				4
18	35	5	624	464	32	1,159	37	7	625	455	66	1,190
TOTAL	463	55	625	477	61	1,883	664	65	625	478	69	1,901

## Waterborne Commerce of the United States, 1987

NEW YORK, NY, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
HUDSON RIVER, N. Y., DEEPWATER IN UPPER BAY, N. Y. TO WATERFORD, N. Y. INTERNAL					UPBOUND					DOWNBOUND		
33 -		1				1						
32 -		2				2						
31 -		1			2	3						
30 -		1			5	6						
29 -			2		9	11			4			4
28 -					14	14						2
27 -					11	11				23		23
26 -					10	10				5		5
25 -		1		1	65	67				2	3	5
24 -					19	19						
23 -					25	25						
22 -				1	42	43			1	1	2	2
21 -				1	44	45					39	39
20 -			2		24	26					2	2
19 -			2		18	20				1	1	2
18 AND LESS -	12,695	728	6,481	3,559	1,290	24,753	10,274	733	6,781	3,528	1,529	22,845
TOTAL -	12,695	734	6,487	3,562	1,578	25,056	10,274	733	6,786	3,562	1,577	22,932
HUDSON RIVER, N. Y., MOUTH OF SPUYTEN DUYVIL CREEK (HARLEM RIVER) TO WATERFORD, N. Y.					UPBOUND					DOWNBOUND		
33 -	16	10				26	17	8				25
32 -	25	11			1	37	3	3				6
31 -	8	10			2	20	7	3				10
30 -	4	8			6	18	5	1				6
29 -	17	3			10	30	7	5				12
28 -	35	3			17	55	13	4		3		20
27 -	13	1			12	26	11	4		39		54
26 -	10	4			11	25	17	10		8		35
25 -	11	2		1	74	88	21	6		3	3	33
24 -	15	1			23	39	12	3		1		16
23 -	14	1		2	28	45	31	3			2	36
22 -	2	2	1	8	42	55	14	4	1	1	2	22
21 -	8			1	47	56	20	1			40	61
20 -	1		2	4	26	33	4				3	7
19 -	2		2		18	22	2	1		2	1	6
18 -	1	24	4	8	51	88	2			54	2	58
17 -	66	138			102	306	2	3	157	11	4	177
16 -	101	287		1	108	497	2		264	26	4	296
15 -	1	30			95	429	2	2	245	4	7	260
14 -	4	62			166	496	3	7	277	2	3	292
13 -	66	479			164	709	8	442	18	9		477
12 AND LESS -	505	178	3,641	1,920	594	6,838	2,796	478	4,132	2,602	1,204	11,212
TOTAL -	692	583	5,121	1,945	1,597	9,938	2,991	554	5,518	2,774	1,284	13,121
TARRYTOWN HARBOR, N. Y.					INBOUND					OUTBOUND		
15 -			4		1	5			4			4
14 -		6	6			12			6			6
13 -		5	6			11			6			6
12 -		5	54		7	66			54			54
11 -		2	16	38	7	63			16			16
10 -		2	152	51	8	213		14	143	1		158
9 -			10	71	9	90			18			18
8 -			107		3	110			107			107
7 -				1	3	4						
6 AND LESS -					1	1		3		159	38	200
TOTAL -		20	355	161	39	575		17	354	160	38	569
PORT OF ALBANY, N. Y.					INBOUND					OUTBOUND		
34 -		2				2						
33 -	1	1				2						
32 -	22	9			1	32	3	2				5
31 -	1	10				11	2	2				4
30 -	2	3			3	8		1				1
29 -	12	2			5	19	5	5				10
28 -	22	3			11	36	11	3				14
27 -	11	1			7	19	11	1				12
26 -	9	4			10	23	15	10				25
25 -	11	2		1	53	67	19	4			3	26
24 -	15	1			18	34	12	3				15
23 -	14	1			23	38	17	2			2	21
22 -	2	2	1		18	23	14	4	1		2	21
21 -	7				30	37	13	1			2	16
20 -	1				14	15	4				5	9
19 -	2				9	11					1	1
18 -	1	15			31	47	2				2	4
17 -		46	61		40	147	2	2	61		5	70
16 -		43	122		76	261	2		122		11	135
15 -	1	9	154		39	203	1		151		4	156
14 -	2	8	92		74	176	1	4	94		7	106
13 -		2	139		37	178		5	138		7	150
12 AND LESS -	1	36	648	1	121	807	1	167	649		569	1,386
TOTAL -	137	220	1,217	2	620	2,196	135	216	1,216		620	2,187

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
FEDERAL LOCK, TROY, N. Y.				NORTHBOUND						SOUTHBOUND		
15 -					2	2						4
13 -			6		6	6			4			36
12 -			36		36	36			36			82
11 -			88		10	98			82			3
10 -		26	2		67	95			2		1	2
9 -			2		9	11					2	3
6 -											3	21
5 -	21					21	21				1	1
4 -	2,459			1	1	2,459		26		1	11	38
3 -										2	58	60
2 -							2,385			3		2,388
TOTAL -	2,477	26	134	1	89	2,729	2,406	26	124	3	79	2,638
HEMPSTEAD HARBOR, N. Y.				INBOUND						OUTBOUND		
15 -		6	44		17	67			46			46
14 -		10	16		20	46			12		1	13
13 -		44	85		29	158			87			87
12 -		14	134	17	20	185			134			134
11 -		5	56	173	53	289		4	62			66
10 -		1	410	186	12	609		4	410	4		418
9 -			306	79	5	390		9	305		1	315
8 -			39		1	40		4	39		3	46
7 -			38	1		39		1	35			36
6 AND LESS -								55		451	137	643
TOTAL -		80	1,130	456	157	1,823		77	1,130	455	142	1,804
PORT JEFFERSON HARBOR, N. Y.				INBOUND						OUTBOUND		
32 -		13			1	14		11			1	12
30 -					1	1						
29 -					1	1						
28 -					6	6					1	1
27 -		1			3	4						
26 -					4	4		1				1
25 -		1			10	11		1			1	2
24 -					9	9						
23 -					3	3		1			1	2
22 -					11	11					1	1
21 -					34	34						
20 -					8	8		3	4		2	9
19 -					11	11						
18 -		1			35	36						
17 -		2	17		21	40			17		1	18
16 -		13	32		25	70		3	30		7	40
15 -		7	151		18	176			151			151
14 -		35	26		30	91		3	28		1	32
13 -		14	110		36	160			107		4	111
12 AND LESS -	5,494	13	673	308	125	6,613	5,494	54	672	307	371	6,898
TOTAL -	5,494	106	1,009	308	392	7,303	5,494	77	1,009	307	391	7,278
NORTHPORT HARBOR, N. Y.				INBOUND						OUTBOUND		
15 -			52		1	53			54		17	71
14 -			6			6			4			4
13 -			6			6			6			6
12 -			108		1	109			112			112
11 -			1			1			4			4
10 -			76		1	77			76			76
9 -					1	1						
8 -					2	2						
7 -			2		1	3			2			2
6 -					3	3						
5 -					9	9						
4 -					5	5						
3 -												
2 -												
TOTAL -			256		24	280			260		27	287
BROWNS CREEK, N. Y.				UPBOUND						DOWNBOUND		
TOTAL, 6 AND LESS -	6,156					6,156	6,156					6,156
BURLINGTON HARBOR, VT.				INBOUND						OUTBOUND		
TOTAL, 13 AND LESS -	929	2	32		25	986	929	1	26	1	23	980
CHEESEWAKE CREEK, N. J.				NO VESSEL TRIPS REPORTED								
CONY ISLAND CREEK, N. Y.				INBOUND						OUTBOUND		
TOTAL, 14 AND LESS -			36		29	65			36		28	64
ECHO BAY HARBOR, N. Y.				INBOUND						OUTBOUND		
TOTAL, 9 AND LESS -			2		2	4			1		1	2

## NEW YORK, NY, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
ELIZABETH RIVER, N. J.			NO VESSEL TRIPS REPORTED									
FIRE ISLAND INLET, N. Y. TOTAL, 12 AND LESS - - - - -	9,541		2		INBOUND	9,543	9,541		2		OUTBOUND	9,543
GLEN COVE CREEK, N. Y. TOTAL, 12 AND LESS - - - - -			1	143	INBOUND	140			1	148	OUTBOUND	178
GLEN COVE HARBOR, N. Y.			NO VESSEL TRIPS REPORTED									
GREAT KILLS HARBOR, STATE ISLAND, N. Y.			NO VESSEL TRIPS REPORTED									
GREAT SOUTH BAY, N. Y. TOTAL, 12 AND LESS - - - - -	32,837		2		INBOUND	32,839	32,837		2		OUTBOUND	32,839
GREENPORT HARBOR, N. Y. TOTAL, 10 AND LESS - - - - -	14,573		2		INBOUND	14,575	14,573		2		OUTBOUND	14,575
HUNTINGTON HARBOR, N. Y.			NO VESSEL TRIPS REPORTED									
JONES INLET, N. Y. TOTAL, 10 AND LESS - - - - -	5,972				INBOUND	5,972	5,972	6	1		OUTBOUND	5,979
KEYPORT HARBOR, N. J. TOTAL, 4 AND LESS - - - - -	1,110				INBOUND	1,110	1,110				OUTBOUND	1,110
LAKE MONTAUK HARBOR, N. Y. TOTAL, 5 AND LESS - - - - -	71,265				INBOUND	71,265	71,265				OUTBOUND	71,265
LARCHMONT HARBOR, N. Y.			NO VESSEL TRIPS REPORTED									
LEMON CREEK, STATE ISLAND, N. Y.			NO VESSEL TRIPS REPORTED									
LONG ISLAND INTRACASTAL WAT., N. Y. TOTAL, 4 AND LESS - - - - -	735				INBOUND	735	735				OUTBOUND	735
MANARONCK HARBOR, N. Y.			NO VESSEL TRIPS REPORTED									
MANHASSET BAY, N. Y. TOTAL, 13 AND LESS - - - - -			3	60	INBOUND	99		8	56		OUTBOUND	103
MATTITUCK HARBOR, N. Y. TOTAL, 12 AND LESS - - - - -	817			4	INBOUND	821	817			4	OUTBOUND	821
NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT. TOTAL, 13 AND LESS - - - - -	13	26	95		INBOUND	203	11	26	95		OUTBOUND	199
NEW ROCHELLE HARBOR, N. Y. TOTAL, 9 AND LESS - - - - -	1,654		25		INBOUND	1,700	1,652		23		OUTBOUND	1,696
ORONOC CREEK, N. Y.			NO VESSEL TRIPS REPORTED									
PATCHOGUE RIVER, N. Y.			NO VESSEL TRIPS REPORTED									
PECOIC RIVER, N. Y.			NO VESSEL TRIPS REPORTED									
PEEKSKILL HARBOR, N. Y. TOTAL, 13 AND LESS - - - - -	19			4	INBOUND	23	19		4		OUTBOUND	23
PORT HURRY HARBOR, N. Y.			NO VESSEL TRIPS REPORTED									
RAHWAY RIVER, N. J.			NO VESSEL TRIPS REPORTED									
RONDOUT HARBOR, N. Y. TOTAL, 16 AND LESS - - - - -	65	11	84		INBOUND	224	65	9	87		OUTBOUND	211
ROUSE POINT, N. Y.			NO VESSEL TRIPS REPORTED									

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION							
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER
SAG HARBOR, N. Y. TOTAL, 6 AND LESS - - - - -	40,123				INBOUND 1	40,421	40,421				OUTBOUND		40,421
SANDY HOOK BAY AT LEONARD, N. J. TOTAL, 12 AND LESS - - - - -			6		INBOUND 1	7		11			OUTBOUND 3		14
SANDY HOOK BAY, N. J. TOTAL, 5 AND LESS - - - - -	8,289				INBOUND	8,289	8,289				OUTBOUND		8,289
SANDY HOOK CHANNEL, N. Y.				NO VESSEL TRIPS	REPORTED								
SAUGERTIES HARBOR, N. Y.				NO VESSEL TRIPS	REPORTED								
SHANK RIVER, N. J. TOTAL, 6 AND LESS - - - - -	28,586				UPBOUND	28,586	28,586				DOWNBOUND		28,586
SHEEPSHEAD BAY, N. Y. TOTAL, 10 AND LESS - - - - -	8,758		54	43	INBOUND 5	8,860	8,758	54	41		OUTBOUND 5		8,858
SHINNECOCK INLET, N. Y. TOTAL, 4 AND LESS - - - - -	735				UPBOUND	735	735				DOWNBOUND		735
SMOAL HARBOR AND COMPTON CREEK, N. J. TOTAL, 7 AND LESS - - - - -	400				INBOUND	400	400				OUTBOUND		400
SHREWSBURY RIVER, N. J. TOTAL, 4 AND LESS - - - - -	8,824				UPBOUND	8,824	8,824				DOWNBOUND		8,824
WALLABOUT CHANNEL, N. Y.				NO VESSEL TRIPS	REPORTED								
WYCAKE CREEK, N. J.				NO VESSEL TRIPS	REPORTED								
GDANUS CANAL, N. Y. TOTAL, 29 AND LESS - - - - -			393	289	UPBOUND 123	904		376	249		DOWNBOUND 84	90	799
GRAVESEND BAY, N. Y. TOTAL, 48 AND LESS - - - - -	18		86	508	UPBOUND 478	1,223	14	72	508		DOWNBOUND 559	133	1,286
OYSTER BAY, N. Y. TOTAL, 17 AND LESS - - - - -	1		106	124	UPBOUND 1	346		95	134		DOWNBOUND 111		340
SANDY HOOK BAY, N. J. TOTAL, 35 AND LESS - - - - -	9,244		26	220	INBOUND 3	9,495	9,235	26	226		OUTBOUND 4		9,491

# Waterborne Commerce of the United States, 1987

## PHILADELPHIA, PA, DISTRICT

### TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DELAWARE RIVER, TRENTON, N. J. TO THE SEA (CONSOLIDATED REPORT)												
FOREIGN AND COASTWISE												
49 -	30	165				195	1	1				2
48 -	4	6				10						
47 -	1	12				13		1				1
46 -	6	10				16	1	1				2
45 -	4	15				19						
44 -	2	8				10						
43 -	3	19				22	1					1
42 -	3	13				16						
41 -	3	24				27						
40 -	21	70				91	1	1				2
39 -	11	78				89	6					6
38 -	20	63				83	2	5				7
37 -	10	53			3	66	9	5				14
36 -	30	50			1	81	19	4			4	27
35 -	29	37			1	67	29	12				41
34 -	38	32			1	71	31	13				44
33 -	38	39			1	78	21	5				26
32 -	35	23	13		2	73	38	33	4		34	109
31 -	59	20				79	45	30				12
30 -	42	20			6	68	55	76				16
29 -	61	28			4	93	44	115				11
28 -	111	35			9	155	101	108				60
27 -	127	31		5	1	164	91	139				20
26 -	177	32		1	3	212	149	193				14
25 -	224	28		1	10	263	172	84				60
24 -	199	20		2	12	233	151	40				55
23 -	160	20		3	24	207	125	39				29
22 -	156	15	37	2	17	227	203	33	39			46
21 -	104	12		2	19	137	132	27	1	83	23	266
20 -	90	6	60	2	2	160	226	27	62	10	30	355
19 -	59	14	10	2	30	115	100	17	11	10	70	208
18 AND LESS -	141	63	1,218	216	667	2,305	271	76	1,246	125	346	2,064
TOTAL -	2,018	1,061	1,338	235	813	5,465	2,028	1,085	1,363	236	832	5,540
DELAWARE RIVER, TRENTON, N. J. TO THE SEA (CONSOLIDATED REPORT)												
INTERNAL												
38 -						1						
37 -		1				1						
36 -		1			112	113					1	1
35 -					6	6						
34 -					1	1						
33 -					5	5		1				1
32 -		3	17		70	90		3	19		6	28
31 -		1			75	76		1			10	11
30 -		1			54	55		1			8	9
29 -		4			17	21		2			8	10
28 -		5			69	74		3			21	24
27 -		3			23	26		5			6	11
26 -		6			61	67		1			8	9
25 -		2			64	66		3			20	23
24 -		2			72	74		2			15	17
23 -		1			20	21					7	7
22 -		1	1		20	22		1	2		15	18
21 -					13	13					3	3
20 -		2	4		11	17					11	11
19 -		1			15	16					19	19
18 AND LESS -	13,237	143	8,735	772	3,415	26,302	13,236	137	8,736	778	3,755	26,642
TOTAL -	13,237	177	8,757	772	4,124	27,067	13,236	160	8,757	778	3,913	26,844
DELAWARE RIVER BETWEEN PHILADELPHIA, PA., AND TRENTON, N. J.												
35 -	41	17				58	7	2				9
34 -	10	3				13	2	4				6
33 -	1	4				5	2	3				5
32 -	7	6	10			23	10	3	12			25
31 -	21	4				27	2	5				7
30 -	13	7			2	24	10	4				14
29 -	9	9				18	9	7				16
28 -	24	12			8	44	20	11			2	34
27 -	15	9				24	11	6			2	19
26 -	22	15			2	39	21	19			2	42
25 -	37	9			3	49	39	13			3	55
24 -	42	1			3	46	42	12				54
23 -	32	6				38	36	8				44
22 -	22	3	1		2	28	42	4	1			47
21 -	19	1			2	22	31					31
20 -	16	2	56	1	2	77	40	4	53			97
19 -	5	2	9		1	17	8	3	11			23
18 -	7	1			1	10	9					10
17 -	4			41	22	69	8			8	41	59
16 -	4	1		64	73	144	4				58	64
15 -	1		148	9	3	161			282	21	31	334
14 -	2		110	8	48	168	1		110		130	281
13 -			56	39	13	108			55	4	7	66
12 AND LESS -	9	3	1,454	119	686	2,271	11	7	1,299	228	594	2,134
TOTAL -	363	115	1,848	282	875	3,443	365	115	1,827	261	875	3,443

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA				INBOUND						OUTBOUND		
49 -	30	166				196	1	1				2
48 -	4	6				10						
47 -	1	12				13		1				1
46 -	6	10				16	1	1				2
45 -	4	15				19						
44 -	2	8				10						
43 -	3	19				22	1					1
42 -	3	13				16						
41 -	3	24				27						
40 -	21	67				88	1	1				2
39 -	11	43				54						6
38 -	20	78				98	2	4			1	7
37 -	10	55			3	68		5				14
36 -	30	50			57	137	19	5			61	85
35 -	29	38			3	70	29	9			4	42
34 -	38	34			1	73	31	13			1	45
33 -	35	40			3	81	21	5			3	29
32 -	35	24	24		40	123	38	38	29		72	177
31 -	59	22			43	124	45	32			54	131
30 -	62	22			33	117	55	73			53	161
29 -	61	31			16	108	44	116			24	184
28 -	111	41			53	205	101	107			106	314
27 -	127	35		5	16	183	91	143			34	268
26 -	177	35			34	246	149	191			52	392
25 -	225	31		1	46	303	172	77			108	357
24 -	199	23		2	49	273	151	41			105	297
23 -	160	23		3	37	223	125	39			43	207
22 -	156	17	38	2	34	247	203	34	41	8	64	350
21 -	104	13		2	27	146	132	26	1	83	31	273
20 -	90	8	62	2	11	173	226	26	64	10	43	369
19 -	59	15	10	2	38	124	100	17	11	10	96	234
18 AND LESS-	13,459	207	9,846	980	4,201	28,693	13,503	213	9,839	901	3,863	28,319
TOTAL-	15,337	1,265	9,980	999	4,745	32,326	15,256	1,218	9,985	1,012	4,818	32,289
DELAWARE RIVER AT CAMDEN, N. J.				INBOUND						OUTBOUND		
37 -	6	4				10	11					11
36 -	7	1				8	8					8
35 -	9					9	9					9
34 -	17					17	11	2				13
33 -	17	1				18	13					13
32 -	19				1	19	13					13
31 -	17	3				18	18					18
30 -	12				2	14	18	1			1	20
29 -	15					15	11	1				12
28 -	21				4	25	32					32
27 -	35					35	17					17
26 -	28	1				29	27	2			1	30
25 -	42				2	44	43	1			2	46
24 -	36				1	37	29					29
23 -	50	1			2	53	30	1				31
22 -	28					28	40	1				41
21 -	29				1	30	25					25
20 -	35		2			37	47	1		1	1	50
19 -	20				1	21	19					19
18 AND LESS-	38	5	1,429	131	328	1,931	79	4	1,414	121	334	1,952
TOTAL-	480	14	1,431	131	342	2,398	500	14	1,414	122	339	2,389
SCHUYLKILL RIVER, PA.				INBOUND						OUTBOUND		
33 -	2	6			2	10						
32 -	1	2			2	5		1			25	26
31 -	1				2	3		1			10	11
30 -					3	3	1	2			9	12
29 -		5				5		2			10	12
28 -		3			11	14		6			41	47
27 -		4				4		4			9	13
26 -	4	3			6	13	1				5	6
25 -	10				11	21	4	3			31	38
24 -		1			9	10	2	4			16	22
23 -					3	3	3	3			12	18
22 -		1	25		4	30		1	27		31	59
21 -		1			3	4	2				10	12
20 -			2		4	6	3	2	2		14	21
19 -		1			20	21					9	9
18 -		1			5	6					4	4
17 -	1		24	7	64	96			23	2	49	114
16 -			51		110	141			31		58	89
15 -			133		13	146			181		19	200
14 -			30		160	190			32		80	112
13 -			19		40	59			14		53	67
12 AND LESS-		1	1,621	82	1,124	3,028		1	1,781	89	1,061	2,932
TOTAL-	19	29	2,085	89	1,596	3,818	16	30	2,191	91	1,596	3,824
PHILADELPHIA HARBOR, PA.				INBOUND						OUTBOUND		
46 -	5	69				75		1				1
45 -		2				2						
44 -		1				1						
43 -		4				4						



## Waterborne Commerce of the United States, 1987

## PHILADELPHIA, PA, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
PHILADELPHIA HARBOR, PA.--(CONTINUED)				INBOUND						OUTBOUND		
42	2	3				5						
41	3	4				7						
40	18	16				34	1	1				2
39	9	10				19	6					6
38	12	7			1	20						
37	1	8				9						
36	1	4			60	65	6				1	7
35	4	6			4	14	6	2				8
34	1	8			2	9	5	5				10
33	4	12			2	18	6	4				10
32	3	6	10		34	53	8	12	12		25	57
31	11	3			33	47	10	6			12	28
30	23	8			21	52	22	37			12	71
29	26	15				41	17	15			12	44
28	46	11			21	78	41	59			44	144
27	45	12				57	26	23			12	61
26	74	13			9	96	67	27			7	101
25	94	7			13	114	70	17			35	122
24	75	3			24	102	82	14			17	113
23	75	7			2	84	54	10			13	77
22	105	7	25		5	142	120	6	27		32	185
21	52	4			3	59	48	3			10	61
20	41	1	2		4	48	76	7	2	1	14	100
19	33	3			20	56	44	4			9	57
18 AND LESS-	3,235	133	5,418	245	2,005	11,036	3,287	134	5,505	240	1,907	11,073
TOTAL-	3,998	387	5,455	245	2,261	12,346	4,002	387	5,546	241	2,162	12,338
TRENTON HARBOR, N. J.				INBOUND						OUTBOUND		
17				42		42				7		7
16				64	4	68						
15			10		12	22			10		1	11
14			40		1	41			38			38
13			36		6	42			36		1	37
12			40		2	42			36	9		45
11					1	1						
10			5			5			1			1
9			4			4			4			
8 AND LESS-										91	16	111
TOTAL-			135	106	26	267			125	107	16	250
WILMINGTON HARBOR, DELAWARE				INBOUND						OUTBOUND		
37	2	1				3						
36	2	2				4	1					1
35	5					5	1					1
34	9	1				10	1					1
33	11	2				13	1	1				2
32	7	1	1			9			1			1
31	10					10	3					3
30	13				2	15	3	1				4
29	13	1			1	15	5					5
28	28				3	31	7	3			2	12
27	33	1				34	18					18
26	62	1			1	64	26	2				28
25	70				1	71	33	3				36
24	45	2			4	51	19	1			2	22
23	26					26	30					30
22	12		1		1	14	33					33
21	17				2	19	48		1		1	50
20	9		1		1	11	81		1			82
19	5					5	31					31
18 AND LESS-	262	15	328	13	245	863	285	14	329	7	254	869
TOTAL-	641	27	331	13	261	1,273	626	25	332	7	259	1,249
INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DEL. AND MD., - CHESAPEAKE AND DELAWARE CANAL				EASTBOUND						WESTBOUND		
33	7					7	2					2
32	25					25	23		1			24
31	25					25	61	3	1			65
30	43	3	1			47	51	3	2			56
29	37	2				39	23	4				27
28	50	6				56	40	2		1	2	45
27	64	4				68	70	8	3		2	83
26	64	2	7			73	60	10	11		2	83
25	59	4			1	59	81	8	3		2	94
24	84	8	4		1	97	50		7		1	58
23	51	4	11		6	72	47	10	16		6	79
22	33	4	11	7	4	59	38	3	12	1	10	64
21	37	1	51	39	3	131	40	7	7	1	2	57
20	28	7	14	3	5	57	31	7	5			43
19	12	3	2		1	18	19		5	1	6	31
18	9	2	5	1	2	18	10		4	1	6	21
17	5	1	30	14	2	52	17	4	54	1	14	90
16	5	1	98	20	13	137	13	2	41	1	31	88
15	3	1	40	3	8	55	7		85		56	148
14	12	1	161	37	7	218	11	1	211	4	73	300
13	2		111	5	7	125	7	1	178	6	35	227
12 AND LESS-	221	25	1,492	767	997	3,502	293	26	1,368	849	806	3,342
TOTAL-	979	81	2,038	896	1,057	4,942	994	99	2,014	866	1,054	5,027

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
ABSECON CREEK, N. J.		NO VESSEL TRIPS		REPORTED						
ABSECON INLET, N. J. TOTAL, 15 AND LESS - - - - -	864		4	UPBOUND		864		4	DOWNBOUND	864
ALLOWAY CREEK, N. J.		NO VESSEL TRIPS		REPORTED						
APPOQUINIMING RIVER, DEL.		NO VESSEL TRIPS		REPORTED						
BARNEGAT INLET, N. J. TOTAL, 42 AND LESS - - - - -	1,834			UPBOUND 5		1,834			DOWNBOUND 5	1,834
BIG TIMBER CREEK, N. J. TOTAL, 9 AND LESS - - - - -			1	UPBOUND	1	2		1	DOWNBOUND	1
BROADKILL RIVER, DEL.		NO VESSEL TRIPS		REPORTED						
CAPE MAY CANAL, N. J. TOTAL, 12 AND LESS - - - - -	5,978		3	UPBOUND	2	5,983	4,968	4	DOWNBOUND	4,973
EDMANSEY RIVER, N. J. TOTAL, 12 AND LESS - - - - -	90		43	UPBOUND	6	156	90	39	DOWNBOUND	149
COLD SPRING INLET, N. J. TOTAL, 13 AND LESS - - - - -	2,494			UPBOUND		2,494	3,176		DOWNBOUND	3,176
COOPER RIVER, N. J. TOTAL, 6 AND LESS - - - - -				UPBOUND	1	1			DOWNBOUND	1
HARBOR OF REFUGE, DELAWARE BAY, DEL. TOTAL, 12 AND LESS - - - - -	2,706		6	UPBOUND	2	2,714	2,706	2	DOWNBOUND	2,709
HOPE CREEK, N. J.		NO VESSEL TRIPS		REPORTED						
INDIAN RIVER INLET AND BAY, DEL. TOTAL, 6 AND LESS - - - - -	152			UPBOUND		152	152		DOWNBOUND	152
INLAND WATERWAY BETWEEN REMBOOTH BAY AND DELAWARE BAY, DEL. TOTAL, 6 AND LESS - - - - -	1,009		3	UPBOUND		1,009	1,006	3	DOWNBOUND	1,009
LEIPSIK RIVER, DEL.		NO VESSEL TRIPS		REPORTED						
LITTLE EGG HARBOR, N. J.		NO VESSEL TRIPS		REPORTED						
LITTLE RIVER, DEL.		NO VESSEL TRIPS		REPORTED						
MANASQUAN RIVER, N. J. TOTAL, 12 AND LESS - - - - -	8,093			UPBOUND		8,093	8,093		DOWNBOUND	8,093
MANTUA CREEK, N. J. TOTAL, 14 AND LESS - - - - -	1		55	UPBOUND 69	2	127	1	59	DOWNBOUND 66	127
MAURICE RIVER, N. J. TOTAL, 7 AND LESS - - - - -	778			UPBOUND		778	778		DOWNBOUND	778
MISPELLION RIVER, DEL. TOTAL, 4 AND LESS - - - - -			1	UPBOUND		1		1	DOWNBOUND	1
MURDERKILL RIVER, DEL. TOTAL, 6 AND LESS - - - - -	1,560			UPBOUND		1,560	1,560		DOWNBOUND	1,560
NEW JERSEY INTRACOSTAL WATERWAY TOTAL, 12 AND LESS - - - - -	17,245		3	UPBOUND	2	17,245	16,790	4	DOWNBOUND	16,795
OLDMANS CREEK, N. J. TOTAL, 5 AND LESS - - - - -				UPBOUND	1	1			DOWNBOUND	1
PEPPER CREEK, DEL.		NO VESSEL TRIPS		REPORTED						

## Waterborne Commerce of the United States, 1987

PHILADELPHIA, PA, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SALEM RIVER, N. J.			NO VESSEL TRIPS	REPORTED								
SHYRNA RIVER, DEL. TOTAL, 4 AND LESS - - - - -	180			UPBOUND		180	180			DOWNBOUND		180
ST. JONES RIVER, DEL.			NO VESSEL TRIPS	REPORTED								
TOMS RIVER, N. J.			NO VESSEL TRIPS	REPORTED								
TUCKERTON CREEK, N. J.			NO VESSEL TRIPS	REPORTED								
WATERWAY FROM INDIAN RIVER INLET TO REMONSTH BAY, DEL.			NO VESSEL TRIPS	REPORTED								

## BALTIMORE, MD, DISTRICT

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## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
BALTIMORE HARBOR AND CHANNELS, MD.				INBOUND						OUTBOUND		
42 -	26					26	1			1		2
41 -	48	3				51	21	1				22
40 -	7	4				11	22					22
39 -	5					5	18					18
38 -	9	1				10	30					30
37 -	7	1				8	11				1	12
36 -	19	2				21	25	1				26
35 -	19	6				24	56					56
34 -	21	3				24	33	1				34
33 -	40	9				49	36	4				40
32 -	87	13	14			114	81	1	13			95
31 -	124	10			1	135	59	4				63
30 -	184	6			5	191	226	4				230
29 -	192	6			5	203	135	8			1	144
28 -	201	26			5	232	240	10			1	251
27 -	220	9		5	2	244	193	13			3	209
26 -	240	17			3	260	239	19		5	2	265
25 -	208	8		1	17	234	208	14		7	3	232
24 -	212	10		2	6	230	158	10		1	2	171
23 -	140	9		2	26	179	122	4		2	2	130
22 -	117	13	8	58	19	215	142	26	8	22	2	200
21 -	83	7		87	10	187	68	9	1	119	3	200
20 -	78	12		1	4	95	132	24	1	10	4	171
19 -	63	3		4	4	74	59	9		9	2	79
18 AND LESS-	6,097	739	10,204	978	2,410	20,428	6,155	766	10,260	965	2,440	20,586
TOTAL-	8,450	917	10,226	1,140	2,513	23,250	8,470	928	10,283	1,141	2,466	23,288
BUSQUEMANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.				UPBOUND						DOWNBOUND		
14 -			3			3			3			3
12 -			27			27			21			21
11 -			90			90			105	7		112
10 -			115	19	1	135			129	393		522
9 -			91			91			100	6		106
8 -			142			142			142			142
7 -			38			38			44			44
4 -				4		4					1	1
3 -				102		102				3		3
2 -				284		284						
TOTAL-			506	409	1	916			544	409	1	954
CHOPTANK RIVER, MD.				UPBOUND						DOWNBOUND		
12 -	1		2			3	1		2			3
11 -			21		1	22			17			17
10 -			113	116	18	247			100	19	1	120
9 -			6		1	7			4			4
8 -	23		16		1	40	7		16			23
7 -			16		1	17			19			19
6 AND LESS-			1	9		10	17		2	97	17	133
TOTAL-	24		175	125	22	346	25		160	116	18	319
NANTICOME RIVER (INCLUDING NORTHWEST FORK), DEL. AND MD.				UPBOUND						DOWNBOUND		
11 -			68		41	109			64	1	4	69
10 -			29	2	14	45			23		12	35
9 -			31	3	24	58			30		2	32
8 -			13		7	20			25			25
7 -			2		1	3			2			2
6 AND LESS-			2		14	16				4	75	79
TOTAL-			145	5	101	251			144	5	93	242
WICOMICO RIVER, MD., (EASTERN SHORE)				UPBOUND						DOWNBOUND		
13 -		9	2		106	117			2			2
12 -			133			133			106		2	108
11 -			81	5	25	111			84		5	89
10 -			8	99	23	130		9	9			18
9 -			28			28			30	3	1	34
8 -	1		8		4	13			26		32	58
7 -			3		4	7			3			3
6 AND LESS-			4	3	3	10	1		6	82	119	208
TOTAL-	1	9	267	107	165	549	1	9	266	85	159	520
WASHINGTON HARBOR, D. C.				INBOUND						OUTBOUND		
17 -					6	6						
16 -					11	11						
15 -					5	5						
14 -					1	1						
12 AND LESS-			159	5	93	257			159	3	118	280
TOTAL-			159	5	118	282			159	3	118	280

# EXCLUDES DOMESTIC FISH LANDINGS

## Waterborne Commerce of the United States, 1987

## BALTIMORE, MD, DISTRICT

## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
ANACOSTIA RIVER, D. C.					INBOUND							OUTBOUND
18 - - - - -					5	5						
17 - - - - -					3	3						
16 - - - - -					11	11						
15 - - - - -					5	5						
14 - - - - -					1	1						
12 AND LESS - - - - -				165	5	94				153	3	119
TOTAL - - - - -				165	5	119				153	3	119
POTOMAC RIVER BELOW WASHINGTON, D. C.					UPBOUND							DOWNBOUND
32 - - - - -			13			13			1			1
29 - - - - -									1			1
28 - - - - -											1	1
26 - - - - -		1				1		2			1	3
25 - - - - -								1				1
22 - - - - -		3				3		1				1
21 - - - - -		7				7						1
20 - - - - -		5			13	18	1					1
19 - - - - -		4			3	7	1	1				3
18 AND LESS - - - - -		41		943	822	341	52	2	932	832	354	2,172
TOTAL - - - - -		61	13	943	822	357	54	9	932	832	358	2,185
BRETON BAY, MD.					UPBOUND							DOWNBOUND
12 - - - - -				2		2			2			2
11 - - - - -									4			4
10 - - - - -										3		3
9 - - - - -										4		4
8 - - - - -				320		320			390	810		1,200
3 - - - - -				70	74	74						
2 - - - - -					743	813						
TOTAL - - - - -				392	817	1,209			396	817		1,213
OCCOQUAN CREEK, VA.					UPBOUND							DOWNBOUND
8 - - - - -				390	809	1,199			320			320
3 - - - - -									70	74		74
2 - - - - -										735		805
TOTAL - - - - -				390	809	1,199			390	809		1,199
ANNAPOLIS HARBOR, MD.					INBOUND							OUTBOUND
TOTAL, 10 AND LESS - - - - -		1,287		2		1,289	1,286		2			1,288
AQUIA CREEK, VA.					UPBOUND							DOWNBOUND
TOTAL, 6 AND LESS - - - - -				1		1			1			1
BACK CREEK, ANNE ARUNDEL COUNTY, MD.					NO VESSEL TRIPS REPORTED							
BETTERTON HARBOR, MD.					NO VESSEL TRIPS REPORTED							
BLACK WALNUT HARBOR, MD.					NO VESSEL TRIPS REPORTED							
BONUM CREEK, VA.					NO VESSEL TRIPS REPORTED							
BRANSON'S COVE, VA.					NO VESSEL TRIPS REPORTED							
BROAD CREEK RIVER, DEL.					NO VESSEL TRIPS REPORTED							
BROAD CREEK, SOMERSET COUNTY, MD.					UPBOUND							DOWNBOUND
TOTAL, 8 AND LESS - - - - -		7		7		14	7		7			14
BROADWATER CREEK, MD.					NO VESSEL TRIPS REPORTED							
CADLE CREEK, MD.					NO VESSEL TRIPS REPORTED							
CAMBRIDGE HARBOR, MD.					INBOUND							OUTBOUND
TOTAL, 11 AND LESS - - - - -		6		40	37	83	6		40	34		80
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD.					NO VESSEL TRIPS REPORTED							
CHESTER RIVER, MD.					UPBOUND							DOWNBOUND
TOTAL, 10 AND LESS - - - - -		35		28	3	66	35		30	3		68
CLAIBORNE HARBOR, MD.					NO VESSEL TRIPS REPORTED							

# EXCLUDES DOMESTIC FISH LANDINGS

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HARBOR OR WATERWAY	DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DY CARGO	TANKER	TOTAL
COAN RIVER, VA.			NO VESSEL TRIPS REPORTED			
CORSICA RIVER, MD.			NO VESSEL TRIPS REPORTED			
CRISFIELD HARBOR, MD. TOTAL, 10 AND LESS - - - - -	941		4 INBOUND		945	945
CUCKOLD CREEK, MD.			NO VESSEL TRIPS REPORTED			
DUCK POINT COVE, MD.			NO VESSEL TRIPS REPORTED			
ELK AND LITTLE ELK RIVERS, MD.			NO VESSEL TRIPS REPORTED			
FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD. TOTAL, 5 AND LESS - - - - -	49		1 DOWNBOUND		50	50
FISHING CREEK, CALVERT COUNTY, MD. TOTAL, 7 AND LESS - - - - -			4 DOWNBOUND		4	4
GOOSE CREEK, SOMMERSET COUNTY, MD.			NO VESSEL TRIPS REPORTED			
HERRING BAY AND ROCKHOLD CREEK, MD.			NO VESSEL TRIPS REPORTED			
HERRING CREEK, MD.			NO VESSEL TRIPS REPORTED			
HONGA RIVER AND TAR HAY, MD. TOTAL, 7 AND LESS - - - - -	7		21 DOWNBOUND	1	29	29
ISLAND CREEK, MD.			NO VESSEL TRIPS REPORTED			
KNAPPS HARRINGS, MD. TOTAL, 8 AND LESS - - - - -	2		2 DOWNBOUND		4	4
LITTLE CREEK, QUEEN ANNES COUNTY, MD.			NO VESSEL TRIPS REPORTED			
LITTLE WICOMICO RIVER, VA. TOTAL, 2 AND LESS - - - - -	9,202		DOWNBOUND		9,202	9,202
LOWER MACHODOC CREEK, VA.			NO VESSEL TRIPS REPORTED			
LOWER INDOUGHFARE AT OR NEAR MEYONA, DEAL ISLAND, MD.			NO VESSEL TRIPS REPORTED			
LOWES WHARF, TALBOT COUNTY, MD.			NO VESSEL TRIPS REPORTED			
MANKIN RIVER, MD.			NO VESSEL TRIPS REPORTED			
MIDDLE RIVER AND DARK HEAD CREEK, MD. TOTAL, 10 AND LESS - - - - -			9 DOWNBOUND	3	12	11
MILL CREEK, MD.			NO VESSEL TRIPS REPORTED			
MORRIS BAY AND CREEK, VA.			NO VESSEL TRIPS REPORTED			
MUDDY HOOK AND TYLEN COVES, MD.			NO VESSEL TRIPS REPORTED			
NAY COVE, MD.			NO VESSEL TRIPS REPORTED			
NANTICOKE RIVER AT BIVALVE, MD.			NO VESSEL TRIPS REPORTED			
NANTICOKE RIVER AT NANTICOME, MD.			NO VESSEL TRIPS REPORTED			
NEALE SOUND, MD.			NO VESSEL TRIPS REPORTED			
NORTH BAY AND CREEK, VA.			NO VESSEL TRIPS REPORTED			

## Waterborne Commerce of the United States, 1987

## BALTIMORE, MD, DISTRICT

## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	DRAFT (FEET)	SELF PROPELLED VESSELS			TOTAL	SELF PROPELLED VESSELS			TOTAL	
		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		
NORTHEAST RIVER, MD. TOTAL, 7 AND LESS - - - - -				3	3			3	3	DOWNBOUND
OCEAN CITY HARBOR AND INLET AND SINEPUENT BAY, MD. TOTAL, 9 AND LESS - - - - -	236				236	236			236	OUTBOUND
PARISH CREEK, MD.			0 VESSEL TRIPS	REPORTED						
PATUXENT RIVER, MD. TOTAL, 14 AND LESS - - - - -	10		119	56	185	10		122	185	DOWNBOUND 53
POCONOKE RIVER, MD. TOTAL, 10 AND LESS - - - - -	220		268	161	654	220		264	670	DOWNBOUND 161 5
POTOMAC RIVER AT ALEXANDRIA, VA. TOTAL, 22 AND LESS - - - - -	50		2		52	51		2	53	OUTBOUND
POTOMAC RIVER AT LOWER CEDAR POINT, MD.			NO VESSEL TRIPS	REPORTED						
POTOMAC RIVER AT MT. VERNON, VA.			NO VESSEL TRIPS	REPORTED						
POTOMAC RIVER, VIRGINIA CHANNEL, D.C.			NO VESSEL TRIPS	REPORTED						
POTOMAC RIVER, WASHINGTON CHANNEL, D. C.			NO VESSEL TRIPS	REPORTED						
QUEENSTOWN HARBOR, MD.			NO VESSEL TRIPS	REPORTED						
RHODES POINT TO TYLERDOW, SOMERSET COUNTY, MD.			NO VESSEL TRIPS	REPORTED						
ROCK HALL HARBOR, MD.			NO VESSEL TRIPS	REPORTED						
SLAUGHTER CREEK, MD. TOTAL, 8 AND LESS - - - - -	1		2		3	1		2	3	DOWNBOUND
SMITH CREEK, MD.			NO VESSEL TRIPS	REPORTED						
ST. CATHERINES SOUND, MD.			NO VESSEL TRIPS	REPORTED						
ST. JEROME CREEK, MD.			NO VESSEL TRIPS	REPORTED						
ST. MICHAELS HARBOR, MD. TOTAL, 10 AND LESS - - - - -	136				136	136			136	OUTBOUND
ST. PATRICKS CREEK, MD.			NO VESSEL TRIPS	REPORTED						
ST. PETERS CREEK, MD.			NO VESSEL TRIPS	REPORTED						
TYLGHMAN ISLAND HARBOR, MD.			NO VESSEL TRIPS	REPORTED						
TONY CREEK, MD. TOTAL, 8 AND LESS - - - - -	2				2	2			2	DOWNBOUND
TRED AVON RIVER, MD. TOTAL, 12 AND LESS - - - - -	2,559		105	79	2,765	2,559		90	2,736	DOWNBOUND 69 18
TRITCH COVE AND BIG THOROUGHFARE RIVER, MD. TOTAL, 7 AND LESS - - - - -	692	5	2		699	692	5	2	699	DOWNBOUND
TYASKIN CREEK, MD.			NO VESSEL TRIPS	REPORTED						
UPPER MACHUDOC CREEK, VA.			NO VESSEL TRIPS	REPORTED						
UPPER THOROUGHFARE, DEAL ISLAND, MD. TOTAL, 9 AND LESS - - - - -	8		8		8	8		8	8	DOWNBOUND
WARRICK RIVER, MD.			NO VESSEL TRIPS	REPORTED						
WATERWAY FROM LITTLE CHOPTANK RIVER TO CHOPTANK RIVER, MD.			NO VESSEL TRIPS	REPORTED						

# NORFOLK, VA, DISTRICT

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## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION																						
DRAFT (FEET)				SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL				SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL											
				PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER															
NORFOLK HARBOR, VA.				INBOUND													OUTBOUND												
47				1						1	94						94												
46											14						14												
45											25						25												
44											10						10												
43											26						26												
42				2	2					4	25						25												
41				5	10				3	18	24	1					25												
40				4	6					10	42						42												
39				2	3					5	8					2	10												
38				5						5	19	1					20												
37				23	7					30	37	2					39												
36				20	10					30	33						33												
35				32	9	1				42	99	1					100												
34				45	6					51	41	5					46												
33				58	11					69	65	4				1	70												
32				72	10	2			1	85	65	2	2				69												
31				138	6					144	75	3					78												
30				211	6				2	219	185	14				2	201												
29				119	6					125	82	3				1	86												
28				144	9				2	155	111	11			2		124												
27				171	8			3		182	139	9			11		159												
26				159	12			5	2	178	153	11			3	1	160												
25				151	19			5	8	183	103	24				13	140												
24				187	7			3	2	199	106	9			1		116												
23				130	4	2		1	2	139	81	11	3		1		96												
22				87	9			2	2	100	77	16			4	3	100												
21				61	7			4	8	80	46	6			3	2	57												
20				77	2	4		2	12	97	62	12	3		3	2	82												
19				39	4			2		51	35	7	2		3	2	49												
18 AND LESS				1,323	972	5,812	4,028	1,273		13,408	1,303	1,033	5,598	4,062	1,332		13,328												
TOTAL				3,266	1,145	5,821	4,055	1,323		15,610	3,107	1,105	5,608	4,091	1,363		15,434												
HAMPTON ROADS, VA.				INBOUND													OUTBOUND												
48											1						1												
47				2						2	174						174												
46											33						33												
45				1						1	46						46												
44											29						29												
43											49						49												
42				2	2					4	40						40												
41				7	13				3	23	32	1					33												
40				7	6					13	53						53												
39				3	3					6	19					2	21												
38				14	1					15	29	1					30												
37				33	10					43	43	2					45												
36				26	10					36	44						44												
35				38	9	1				48	110	1					111												
34				58	5					63	43	6					49												
33				62	12					74	70	4				1	75												
32				79	11	2			2	94	71	3	2				76												
31				154	8					162	84	4					88												
30				242	5				1	248	200	17				3	220												
29				146	6					152	93	3				1	97												
28				175	10				2	187	129	12				3	144												
27				215	9			3		227	157	10			11		178												
26				188	14			5	2	209	170	11			3	2	186												
25				179	20			5	9	213	120	25				13	158												
24				219	9			3	3	234	116	10			1		127												
23				152	5	2		1	2	162	91	12	3		1		107												
22				116	10	1		2	5	134	91	20	1		47	2	161												
21				83	7			4	7	101	54	6			74	3	137												
20				91	4	4		2	12	113	72	14	3		20	3	112												
19				49	4			2	7	62	42	7	2		3	2	56												
18 AND LESS				2,140	1,086	7,405	5,326	1,434		17,391	2,139	989	7,452	5,232	1,339		17,151												
TOTAL				4,481	1,279	7,415	5,353	1,489		20,017	4,444	1,158	7,463	5,392	1,374		19,831												
CHANNEL TO NEWPORT NEWS, VA.				EASTBOUND													WESTBOUND												
44				140						140	2						2												
43				21						21																			
42				15						15																			
41				8						8	2	3					5												
40				11						11	3						3												
39				11						11	1						1												
38				10						10	9	1					10												
37				6						6	10	4					14												
36				11						11	6						6												
35				11	1					12	6						6												
34				2						2	14						14												
33				5						5	4	1					5												
32				6	1					7	7	1				1	9												
31				9						9	16	3					19												
30				15	2				1	18	31						31												
29				11						11	27					1	28												
28				18	1					19	31	1				1	33												
27				18	1					19	45	1					46												
26				18	1					19	29	1				1	31												
25				18	1				10	29	28	1				3	32												
24				38	1			1		40	32	2				1	35												
23				13	2			2		17	25	4					29												
22				51	4	1		45		101	70	4	1			5	80												



## Waterborne Commerce of the United States. 1987

## NORFOLK, VA, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
CHANNEL TO NEWPORT NEWS, VA.--(CONTINUED)													
21 - - - - -	32	1		60		93	48				4	52	
20 - - - - -	21	2		21	2	46	43	2			1	46	
19 - - - - -	15	2			1	16	22				1	23	
18 AND LESS - - - - -	280	457	5,747	6,142	506	13,132	287	403	5,256	6,260	430	12,636	
TOTAL - - - - -	814	477	5,748	6,271	520	13,830	798	432	5,257	6,260	449	13,196	
PORT OF NEWPORT NEWS, VA.													
46 - - - - -	1					1	100					100	
45 - - - - -	1					1	21					21	
44 - - - - -							19					19	
43 - - - - -							21					21	
42 - - - - -							15					15	
41 - - - - -	2	3				5	8					8	
40 - - - - -	3					3	11					11	
39 - - - - -	1					1	11					11	
38 - - - - -	9	1				10	10					10	
37 - - - - -	10	3				13	6					6	
36 - - - - -	6					6	11					11	
35 - - - - -	6					6	11					11	
34 - - - - -	13					13	2					2	
33 - - - - -	4	1				5	5					5	
32 - - - - -	7	1			1	9	6	1				7	
31 - - - - -	16	3				19	9					9	
30 - - - - -	31					31	15	2			1	16	
29 - - - - -	27				1	28	11					11	
28 - - - - -	31	1			1	33	18	1				19	
27 - - - - -	44	1				45	18	1				19	
26 - - - - -	29	1			1	31	17	1				18	
25 - - - - -	28	1			1	30	17	1				18	
24 - - - - -	32	2			1	35	10	1				11	
23 - - - - -	23	1				24	9	1				10	
22 - - - - -	29	1	1		3	34	14	4	1	43		62	
21 - - - - -	22					22	8			71		79	
20 - - - - -	14	2				16	10	2		17	1	30	
19 - - - - -	13					10	7				1	8	
18 AND LESS - - - - -	142	405	3,792	473	224	5,036	136	417	3,792	346	212	4,903	
TOTAL - - - - -	541	427	3,793	473	233	5,467	556	432	3,793	477	215	5,473	
JAMES RIVER, VA.													
23 - - - - -	4	4			2	10	34	2		3	10	49	
22 - - - - -	41	3			2	46	37			2		39	
21 - - - - -	26				4	30	24	1		1		26	
20 - - - - -	29				1	30	11			4	1	16	
19 - - - - -	12				1	13	8	2				10	
18 - - - - -	5				1	9	16	2		7		25	
17 - - - - -	13		4		4	21	10		5		1	16	
16 - - - - -	6	20	7		27	60	12		8		6	26	
15 - - - - -	9		5	25	35	74	11		5	53	100	169	
14 - - - - -	6	1	10		86	103	9	20	8	27	6	72	
13 - - - - -	7		4	2	10	23	4		2		2	8	
12 AND LESS - - - - -	12,417		6,159	10,786	128	29,490	12,402		6,161	10,723	172	29,458	
TOTAL - - - - -	12,578	24	6,184	10,813	301	29,909	12,578	27	6,189	10,820	300	29,914	
PORT OF RICHMOND, VA.													
32 - - - - -	1					1							
27 - - - - -	1					1							
25 - - - - -					2	2					10	10	
24 - - - - -							3					3	
23 - - - - -	2					2							
22 - - - - -	34				2	40	33					33	
21 - - - - -	23				4	27	22					22	
20 - - - - -	20				1	21	10				1	11	
19 - - - - -	5				1	9	8					8	
18 - - - - -	6				1	7	16					16	
17 - - - - -	8		4		4	16	10		4		1	15	
16 - - - - -	4	20	4		27	55	11		4		6	21	
15 - - - - -	3		4		53	60	10		4		55	69	
14 - - - - -	3	1	6		5	17	8	20	8		8	44	
13 - - - - -	7		3		9	19	4		2		2	8	
12 AND LESS - - - - -	774		862	1,409	71	3,116	763		834	1,416	97	3,110	
TOTAL - - - - -	499	21	865	1,409	180	3,393	898	20	856	1,416	180	3,370	
PORT OF WYTHEVILLE, VA.													
26 - - - - -							1					1	
25 - - - - -							1					1	
24 - - - - -							25			1		26	
23 - - - - -		3				3	4	1		2		7	
22 - - - - -	3	3				6	4			1		5	
21 - - - - -	3					3	2	1		1		4	
20 - - - - -	9					9	1			4		5	
19 - - - - -	4					4		2				2	
18 - - - - -	2					2		2		7		9	
17 - - - - -	5					5							
16 - - - - -	2		3			5	1		2			3	
15 - - - - -	6		1	25	24	56	1		1	53		55	
14 - - - - -	3		2		35	43	1			27		28	

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
PORT OF WOPENELL, VA.--(CONTINUED)				INBOUND					OUTBOUND	
13 - - - - -				2	1					1
12 AND LESS - - - - -	3		231	147	45			223	74	102
TOTAL - - - - -	46	6	237	174	108			226	170	103
HAMPTON CREEK, VA.				UPBOUND					DOWNBOUND	
11 - - - - -			6	175				6		6
10 - - - - -	300	40	297					194		194
9 - - - - -		44		670	2		19			19
8 - - - - -		30	8		1			50		50
7 - - - - -		3	366					280		280
6 AND LESS - - - - -	700	13	6		2	1,000	90	153	845	3
TOTAL - - - - -	1,000	130	683	845	5	1,000	109	683	845	3
APPOMATTOX RIVER, VA.				UPBOUND					DOWNBOUND	
11 - - - - -			12		5			8		896
10 - - - - -			587	2	4			1,025		1,025
9 - - - - -					4				1,834	1,834
8 - - - - -			2		1			2		2
7 - - - - -			2					4		4
6 - - - - -				488					1	5
5 - - - - -			439	1,834						6
TOTAL - - - - -			1,042	2,324	14			1,039	2,323	11
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHN'S RIVER, FLA. (NORFOLK DISTRICT) VIA GREAT BRIDGE LOCK				NORTHBOUND					SOUTHBOUND	
12 - - - - -			14	2	1			26	209	3
11 - - - - -			26	3	4			21		4
10 - - - - -			387	41	4			647	18	64
9 - - - - -	1		134	114	1			161	971	16
8 - - - - -	6		69	55		2		73	9	6
7 - - - - -	3		76	3	1			80	2	2
6 AND LESS - - - - -	1		292	1,169	87	1		28	184	4
TOTAL - - - - -	11		1,000	1,387	98	3		1,036	1,393	99
BLACKWATER RIVER, VA.				UPBOUND					DOWNBOUND	
7 - - - - -			182	814				123	158	
2 - - - - -				4				59	660	
TOTAL - - - - -			182	818				182	818	
YORK RIVER, VA.				UPBOUND					DOWNBOUND	
37 - - - - -	2	26								
36 - - - - -		8								1
35 - - - - -		6					1			1
34 - - - - -		3					2			2
33 - - - - -		5					1			1
32 - - - - -		3					1			1
31 - - - - -		3					4			4
30 - - - - -		2			1		3			3
29 - - - - -		1					1			1
28 - - - - -						1	7		1	9
27 - - - - -		1				1	4			5
26 - - - - -							3			3
25 - - - - -		3					10			10
24 - - - - -					1		7		1	8
23 - - - - -							3			3
22 - - - - -							4		7	11
21 - - - - -	1					1	1		52	54
20 - - - - -			15			4	5	18	27	54
19 - - - - -					6	6	4		2	12
18 AND LESS - - - - -	1,053	17	766	317	351	1,043	20	765	317	268
TOTAL - - - - -	1,056	80	783	317	359	1,056	81	783	317	358
ABERDEEN CREEK, VA.				UPBOUND					DOWNBOUND	
TOTAL, 5 AND LESS - - - - -	440					440				440
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHN'S RIVER, FLA. (NORFOLK DISTRICT) DISMAL SWAMP CANAL AND PASQUOTANK RIVER				NORTHBOUND					SOUTHBOUND	
TOTAL, 10 AND LESS - - - - -			82	256				196	350	
BEACH CREEK, VA.				VESSEL TRIPS REPORTED						
BROAD CREEK, VA.				UPBOUND					DOWNBOUND	
TOTAL, 4 AND LESS - - - - -	427					427				427

## Waterborne Commerce of the United States. 1987

## NORFOLK, VA, DISTRICT

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
CAPE CHARLES CITY HARBOR, VA. TOTAL, 16 AND LESS - - - - -	498	2	702	632	INBOUND	1,830	498	2	725	599	OUTBOUND	1,820
CARTERS CREEK, VA. TOTAL, 6 AND LESS - - - - -	563				UPBOUND	563	563				DOWNBOUND	563
CHANNEL CONNECTING YORK RIVER, VA., WITH BACK CREEK TO SLAIGHTS HARBOR, VA. TOTAL, 4 AND LESS - - - - -	526				UPBOUND	526	526				DOWNBOUND	526
CHANNEL FROM PHOEBUS, VA. TO DEEP WATER IN HAMPTON ROADS, VA.		NO VESSEL TRIPS REPORTED										
CHESCONESSEX CREEK, VA. TOTAL, 8 AND LESS - - - - -	805				UPBOUND	805	805				DOWNBOUND	805
CHINCOTEAGUE BAY, MD. AND VA. TOTAL, 11 AND LESS - - - - -	1,098		2		UPBOUND	1,098	1,098		2		DOWNBOUND	1,098
CHINCOTEAGUE HARBOR OF REFUGE, VA.		NO VESSEL TRIPS REPORTED										
CRANES CREEK, VA. TOTAL, 3 AND LESS - - - - -	18		1		UPBOUND	19	18		1		DOWNBOUND	19
DAVIS CREEK, VA. TOTAL, 6 AND LESS - - - - -	959				UPBOUND	959	959				DOWNBOUND	959
DEEP CREEK, ACCOMACK COUNTY, VA. TOTAL, 3 AND LESS - - - - -	440				INBOUND	440	440				OUTBOUND	440
DEEP CREEK, NEWPORT NEWS, VA. TOTAL, 8 AND LESS - - - - -	1,259				UPBOUND	1,259	1,259				DOWNBOUND	1,259
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION TOTAL, 10 AND LESS - - - - -	2,877		10		UPBOUND	2,887	2,877		10		DOWNBOUND	2,887
DYMERS CREEK, VA.		NO VESSEL TRIPS REPORTED										
GREENVALE CREEK, VA. TOTAL, 5 AND LESS - - - - -	441		1		UPBOUND	441	440		1		DOWNBOUND	441
HORN HARBOR, VA. TOTAL, 3 AND LESS - - - - -	161				INBOUND	161	161				OUTBOUND	161
HOSKINS CREEK, VA. TOTAL, 9 AND LESS - - - - -	91		6		UPBOUND	105	91		6		DOWNBOUND	105
JACKSON CREEK, VA. TOTAL, 4 AND LESS - - - - -	438				UPBOUND	438	438				DOWNBOUND	438
KINGS CREEK, NORTHAMPTON COUNTY, VA. TOTAL, 4 AND LESS - - - - -	73				UPBOUND	73	73				DOWNBOUND	73
LAFAYETTE RIVER, VA.		NO VESSEL TRIPS REPORTED										
LITTLE NACHIPONGO RIVER, VA.		NO VESSEL TRIPS REPORTED										
LITTLE RIVER (CREEK), VA. TOTAL, 15 AND LESS - - - - -	36	4	651	666	UPBOUND	1,393	36	4	609	699	DOWNBOUND	1,381
LOCKLIES CREEK, VA. TOTAL, 5 AND LESS - - - - -	447				UPBOUND	447	447				DOWNBOUND	447
LYNNAVEN ROADS, INLET, AND CONNECTING RIVERS, VA. TOTAL, 7 AND LESS - - - - -	210		12		UPBOUND	225	210		15		DOWNBOUND	228
MATTAPONI RIVER, VA.		NO VESSEL TRIPS REPORTED										

## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)	TOTAL					TOTAL				
MEMORRIN RIVER, V. C.	NO VESSEL TRIPS REPORTED									
WILFORD HAVEN, VA. TOTAL, 4 AND LESS - - - - -	1,337					1,337			DOWNBOUND	
WILL CREEK, VA. TOTAL, 6 AND LESS - - - - -	235					235			DOWNBOUND	
WULSERHY CREEK, VA. TOTAL, 6 AND LESS - - - - -	380					380			DOWNBOUND	
WANDUA CREEK, VA.	NO VESSEL TRIPS REPORTED									
WANSEMOND RIVER, VA. TOTAL, 7 AND LESS - - - - -	120		3		1	124	120	3	DOWNBOUND	1
WENPORT NEWS CREEK, VA. TOTAL, 12 AND LESS - - - - -	106	227	245	263	4	645	106	227	248	263
WEDDHANVOCK CREEK, VA. TOTAL, 3 AND LESS - - - - -	472					472	472		DOWNBOUND	
WYANCOCK RIVER, VA. TOTAL, 12 AND LESS - - - - -	383	12	24		10	429	383	12	24	10
OYSTER CHANNEL, VA. TOTAL, 9 AND LESS - - - - -	169		2			171	169		2	
PAGAN RIVER, VA. TOTAL, 4 AND LESS - - - - -	87					87	87		DOWNBOUND	
PANUNKEY RIVER, VA. TOTAL, 7 AND LESS - - - - -			36	34	2	72		36	DOWNBOUND	1
PARKER CREEK, VA.	NO VESSEL TRIPS REPORTED									
PARROTT'S CREEK, VA. TOTAL, 5 AND LESS - - - - -	277					277	277		DOWNBOUND	
QUEENS CREEK, VA.	NO VESSEL TRIPS REPORTED									
QUINBY CREEK, VA. TOTAL, 4 AND LESS - - - - -	148					148	148		DOWNBOUND	
RAPPANHANVOCK RIVER, VA. TOTAL, 10 AND LESS - - - - -	7,086	2	23	19		7,130	7,086	2	25	19
STARLINGS CREEK, VA. TOTAL, 8 AND LESS - - - - -	202		2			204	202		2	
TANGIER CHANNEL, VA. TOTAL, 9 AND LESS - - - - -	425	3				428	429	3	DOWNBOUND	
TOTUSKEY CREEK, VA. TOTAL, 9 AND LESS - - - - -			12	11		23		14	DOWNBOUND	11
TYLERS BEACH, VA.	NO VESSEL TRIPS REPORTED									
URBAYNA CREEK, VA. TOTAL, 4 AND LESS - - - - -	40					40	40		DOWNBOUND	
WILLOUGHBY CHANNEL, VA. TOTAL, 7 AND LESS - - - - -			45			45		37	DOWNBOUND	
WINTER HARBOR, VA.	NO VESSEL TRIPS REPORTED									
WISBART POINT CHANNEL, VA.	NO VESSEL TRIPS REPORTED									

# Waterborne Commerce of the United States, 1987

## WILMINGTON, NC, DISTRICT

TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
CHOWAN RIVER, N. C.				UPBOUND						DOWNBOUND		
7 - - - - -			182	814		996			123	158		
6 AND LESS- - - - -				4		4			59	660		
TOTAL- - - - -			182	818		1,000			182	818		
PAMLICO AND TAR RIVERS, N. C.				UPBOUND						DOWNBOUND		
10 - - - - -				3		3		2		759		
9 - - - - -			2		212	214				22	64	
8 - - - - -			518			518		518				
7 - - - - -			18			18		13				
6 AND LESS- - - - -			234	781	259	1,274		236		3	407	
TOTAL- - - - -			772	784	471	2,027		769		784	471	
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (WILMINGTON DISTRICT)				NORTHBOUND						SOUTHBOUND		
25 - - - - -											1	
20 - - - - -									1		1	
19 - - - - -										1	1	
17 - - - - -									2		2	
15 - - - - -			2			2						
13 - - - - -			4			4			6	6	1	
12 - - - - -	2		12	2	1	17			22			
11 - - - - -			26	3	4	33			21		4	
10 - - - - -			26	68	4	98			18	766		
9 - - - - -	1		154	134	227	516			189	76	82	
8 - - - - -	10		597	89	9	705			611	15	10	
7 - - - - -	966		145	10	4	1,125	963		147	7	2	
6 AND LESS- - - - -	1,699		275	837	296	3,107	1,522		274	265	445	
TOTAL- - - - -	2,675		1,241	1,143	545	5,607	2,489		1,291	1,135	546	
MOREHEAD CITY HARBOR, N. C.				INBOUND						OUTBOUND		
34 - - - - -	10	8				18	41	8			49	
33 - - - - -	1	7				8	3	3			6	
32 - - - - -	2	4				6	6	2			8	
31 - - - - -	6	5				11	2	8			10	
30 - - - - -	3	6				9		3			3	
29 - - - - -		3				3	1	3			4	
28 - - - - -	5	9				14	4	1			5	
27 - - - - -	2	5				7	3				3	
26 - - - - -	12	2				14	7	2			9	
25 - - - - -	12	2				14	3	2			5	
24 - - - - -	9	2				11	4	9			12	
23 - - - - -	9					9	3	6			9	
22 - - - - -	11	2				13	3	2			5	
21 - - - - -	16	4				20	4	2			6	
20 - - - - -	9	3				12	7	3			10	
19 - - - - -	4					4	4				15	
18 AND LESS- - - - -	123	7	1,526	775	520	2,951	122	5	1,526	767	518	
TOTAL- - - - -	234	69	1,526	775	520	3,124	217	69	1,526	767	518	
PORT OF WILMINGTON, N. C.				INBOUND						OUTBOUND		
38 - - - - -		13				13						
37 - - - - -	2	18				20	1				1	
36 - - - - -	1	10				11						
35 - - - - -	3	5				8	9	5			14	
34 - - - - -	15	6				23	12	2			14	
33 - - - - -	26	31			1	58	38	6			44	
32 - - - - -	27	17	3		1	48	19	5	2		26	
31 - - - - -	34	21			1	56	17	16			33	
30 - - - - -	30	29				59	27	19			49	
29 - - - - -	46	21			1	68	69	29		3	98	
28 - - - - -	43	22			2	107	42	18			60	
27 - - - - -	50	20			2	72	38	26			64	
26 - - - - -	35	19			3	57	38	26			64	
25 - - - - -	43	19			5	67	48	18			70	
24 - - - - -	47	10				57	35	17			52	
23 - - - - -	32	7			12	51	39	17			56	
22 - - - - -	26	7	24		3	60	34	20	20		75	
21 - - - - -	11	5	2			18	24	19	2		45	
20 - - - - -	4	5	6		27	42	10	11	6		29	
19 - - - - -	5	2			13	20	13	9			22	
18 AND LESS- - - - -	3,340	7	547	209	719	4,862	3,355	34	575	202	785	
TOTAL- - - - -	3,860	296	622	209	790	5,777	3,868	297	605	202	795	
WILMINGTON HARBOR, N. C.				UPBOUND						DOWNBOUND		
39 - - - - -		2				2						
38 - - - - -		11				11						
37 - - - - -	2	18				20	1				1	
36 - - - - -	1	10				11						
35 - - - - -	3	5				8	9	5			14	
34 - - - - -	15	8				23	12	2			14	
33 - - - - -	26	31			1	58	38	6			44	
32 - - - - -	27	17	3		1	48	19	5	2		26	

# EXCLUDES DOMESTIC FISH LANDINGS

# EXCLUDES DOMESTIC FISH LANDINGS

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## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			TOTAL			TOTAL		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
WILMINGTON HARBOR, N. C.--(CONTINUED)				UPBOUND						DOWNBOUND		
31 - . . . . .	34	21		1	56	17	18				3	33
30 - . . . . .	30	29			59	27	19					49
29 - . . . . .	46	21		1	68	69	29					98
28 - . . . . .	83	22		2	107	42	18					60
27 - . . . . .	50	20		2	72	38	26					64
26 - . . . . .	35	19		3	57	38	26					64
25 - . . . . .	43	19		5	67	48	18				4	70
24 - . . . . .	47	10			57	35	17					52
23 - . . . . .	32	7		12	51	39	17					56
22 - . . . . .	26	7	29	3	65	34	20	15			1	70
21 - . . . . .	11	5	2		18	24	19	2				45
20 - . . . . .	4	5	6	28	43	10	11	7			1	29
19 - . . . . .	5	2		13	20	13	9				1	23
18 AND LESS - . . . . .	3,433	7	839	309	831	5,419	3,442	34	841	346	892	5,555
TOTAL - . . . . .	3,953	296	879	309	903	6,340	3,955	297	867	346	902	6,367
CAPE FEAR RIVER ABOVE WILMINGTON, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 12 AND LESS - . . . . .	248		273	112	212	845	248		273	112	211	844
NORTHEAST (CAPE FEAR) RIVER, N. C.				UPBOUND						DOWNBOUND		
11 - . . . . .				290	290						33	33
10 - . . . . .				41	292	333						
9 - . . . . .					5	5						
8 - . . . . .			86		114			86				86
7 - . . . . .			174		181			172				172
6 - . . . . .			122		122			122				122
2 - . . . . .										41	571	612
TOTAL - . . . . .			382	41	625	1,048			380	41	604	1,025
ATLANTIC BEACH CHANNELS, N. C.				INBOUND						OUTBOUND		
TOTAL, 9 AND LESS - . . . . .	800		8		808	800		10				810
AVON HARBOR, N. C.				NO VESSEL TRIPS REPORTED								
BAY RIVER, N. C.				NO VESSEL TRIPS REPORTED								
BEAUFORT HARBOR, N. C.				INBOUND						OUTBOUND		
TOTAL, 12 AND LESS - . . . . .	140		10	1	151	140		10		1		151
BELHAVEN HARBOR, N. C.				INBOUND						OUTBOUND		
TOTAL, 7 AND LESS - . . . . .			1		1			1				1
CASHIE RIVER, N. C.				NO VESSEL TRIPS REPORTED								
CHANNEL CONNECTING THROUGHFARE BAY WITH CEDAR BAY, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 5 AND LESS - . . . . .	5				5	5						5
CHANNEL FROM BACK SOUND TO LOOKOUT POINT, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 2 AND LESS - . . . . .	1				1	1						1
CHANNEL FROM PAMLICO SOUND TO ROSSANNE, N. C.				NO VESSEL TRIPS REPORTED								
CHANNEL TO BOGUE INLET, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 8 AND LESS - . . . . .	1,250		1	1	1,252	1,250		1		1		1,252
DRUM INLET, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 5 AND LESS - . . . . .	5				5	5						5
EDEVTON HARBOR, N. C.				INBOUND						OUTBOUND		
TOTAL, 7 AND LESS - . . . . .			47	201	248			47		201		248
FAR CREEK, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 11 AND LESS - . . . . .			2		2			4		1		5
KNOBBS CREEK, N. C.				UPBOUND						DOWNBOUND		
TOTAL, 9 AND LESS - . . . . .			50	47	97			44		47		91
LOCKWOODS FOLLY RIVER, N. C.				NO VESSEL TRIPS REPORTED								
WACKAY CREEK, N. C.				NO VESSEL TRIPS REPORTED								
# EXCLUDES DOMESTIC FISH LANDINGS												

# Waterborne Commerce of the United States. 1987

## WILMINGTON, NC, DISTRICT

## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
WAVES HARBOR, N. C.				NO VESSEL TRIPS REPORTED								
WANTED (SHALLOHAG) HAY, N. C. TOTAL, 4 AND LESS - - - - -	360					360	360			DOWNBOUND		360
WEUSE RIVER, N. C. TOTAL, 10 AND LESS - - - - -	11		65	44	19	139	11		70	DOWNBOUND	44 18	143
WEA RIVER, N. C. TOTAL, 4 AND LESS - - - - -	20					20	20			DOWNBOUND		20
WOCACOCKE INLET, N. C. TOTAL, 6 AND LESS - - - - -	192					192	192			DOWNBOUND		192
WUQUIMANS RIVER, N. C.				NO VESSEL TRIPS REPORTED								
WJANDKE RIVER, N. C. TOTAL, 10 AND LESS - - - - -			135	317	20	472			140	DOWNBOUND	317 15	472
WOLLINSON CHANNEL, N. C.				NO VESSEL TRIPS REPORTED								
WUPPERNOG RIVER, N. C.				NO VESSEL TRIPS REPORTED								
WHALLOTTE RIVER, N. C.				NO VESSEL TRIPS REPORTED								
SILVER LAKE HARBOR, N. C. TOTAL, 7 AND LESS - - - - -	1,979					1,979	1,979			OUTBOUND		1,979
SMITHS CREEK (PAMLICH COUNTY), N. C.				NO VESSEL TRIPS REPORTED								
SMITHS CREEK (WILMINGTON), N. C.				NO VESSEL TRIPS REPORTED								
SOUTH RIVER, N. C.				NO VESSEL TRIPS REPORTED								
STUMPY POINT BAY, N. C.				NO VESSEL TRIPS REPORTED								
TRENT RIVER, N. C. TOTAL, 7 AND LESS - - - - -	11		1	5		20	11		1	DOWNBOUND	5	20
WANCHESE HARBOR, N. C. TOTAL, 4 AND LESS - - - - -	180					180	180			OUTBOUND		180
WATERWAY - NORFOLK, VA. TO SOUNDS OF NORTH CAROLINA TOTAL, 11 AND LESS - - - - -			7	1		8			7	DOWNBOUND	1	8
WATERWAY CONNECTING PAMLICH SOUND AND BEAUFORT HARBOR, N. C. TOTAL, 12 AND LESS - - - - -	965					965	965			DOWNBOUND		965
WATERWAY CONNECTING SAVY QUARTER BAY WITH DEEP HAY, N. C. TOTAL, 7 AND LESS - - - - -	671					671	671			DOWNBOUND		671
WRIGHTS CREEK, N. C.				NO VESSEL TRIPS REPORTED								

# EXCLUDES DOMESTIC FISH LANDINGS

## CHARLESTON, SC, DISTRICT

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## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION						DIRECTION							
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER			
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (CHARLESTON DISTRICT)														
12 - - - - -	2		18	NORTHBOUND		11	32	2		36	SOUTHBOUND		2	46
11 - - - - -			6	1		12				5	6		1	6
10 - - - - -			43	28		4	75			32	21			53
9 - - - - -	1		17	34		51	183			37	69		3	109
6 - - - - -	7		371	70		13	461	5		385	128		4	522
7 - - - - -	3		202	63		10	278			190	7			197
6 AND LESS - - - - -	103		139	333		16	571	109		91	300		99	599
TOTAL - - - - -	116		776	531		109	1,532	116		776	531		109	1,532
GEORGETOWN HARBOR, S. C. (WINYAH HAY)				INSOUND							OUTBOUND			
27 - - - - -	21						21	2						2
26 - - - - -	6						6	4						4
25 - - - - -	8						8	10						10
24 - - - - -	8						8	2						2
23 - - - - -	6						6	10						10
22 - - - - -	2						2	13						13
21 - - - - -	2						2	10						10
20 - - - - -	3						3	3						3
19 - - - - -								3						3
18 - - - - -	1						1	2						2
17 - - - - -	3						3	3						3
16 - - - - -	2						2	1						1
15 - - - - -	2						2							
14 - - - - -								1						1
13 - - - - -								2						2
12 AND LESS - - - - -	2		160	174		3	339	1		145	170		6	322
TOTAL - - - - -	66		160	174		3	403	66		145	170		6	387
CHARLESTON HARBOR, S. C.				INSOUND							OUTBOUND			
35 - - - - -	19	17				3	38	23	1					24
34 - - - - -	29	11					40	24	1				2	27
33 - - - - -	41	12					53	35	2				1	38
32 - - - - -	38	11	4			3	56	50	3	5				58
31 - - - - -	55	12				3	70	86	4					90
30 - - - - -	108	11					119	75	19					94
29 - - - - -	65	14				1	83	51	11					62
28 - - - - -	88	12					100	78	14				1	93
27 - - - - -	85	10					95	102	9					111
26 - - - - -	120	11				1	132	131	4				1	136
25 - - - - -	129	4		1	15		152	118	10					128
24 - - - - -	117	7					124	123	7				1	131
23 - - - - -	127	3					130	79	2					81
22 - - - - -	62	3	17			5	87	75	2	9				86
21 - - - - -	52	2	3			1	58	60	2	3				65
20 - - - - -	51	1	9			13	74	80	24	7				111
19 - - - - -	24	1	1			7	33	32	6	1				39
18 AND LESS - - - - -	2,714	3	524	71	281		3,593	2,698	15	530	56	304		3,603
TOTAL - - - - -	3,926	145	558	72	336		5,037	3,920	136	555	56	310		4,977
SHIPYARD RIVER, S. C.				INSOUND							OUTBOUND			
35 - - - - -	4	3					7	7	1					8
34 - - - - -	3	4					7	1						1
33 - - - - -	2	4					6	1	1					2
32 - - - - -	1	1					2		2					2
31 - - - - -	7	2					9	1	2					3
30 - - - - -	7	1					8	6	3					9
29 - - - - -	2	1					3	1	4					5
28 - - - - -	3	2					5	4	1					5
27 - - - - -	3	1					4	3	3					6
26 - - - - -	3						3	4						4
25 - - - - -	3	1					4	9	3					12
24 - - - - -	1	13					14	6	3					9
23 - - - - -	4						4	3	1					4
22 - - - - -	2						2	5						5
21 - - - - -								5						5
20 - - - - -	3						3	7	1					8
19 - - - - -	1						1	1	1					2
18 AND LESS - - - - -	17	1	105	17	33		173	6	9	110	18	33		176
TOTAL - - - - -	66	34	105	17	33		255	70	35	110	18	33		266
ASHLEY RIVER, S. C. TOTAL, 15 AND LESS - - - - -	1,417		271	283	43		2,417	1,823		273	261	47		2,404
EDISTO RIVER, S. C.				NO VESSEL TRIPS REPORTED										
GREAT PEE DEE RIVER, S. C.				NO VESSEL TRIPS REPORTED										
PORT ROYAL HARBOR, S. C. TOTAL, 24 AND LESS - - - - -	39		27	INSOUND		2	74	38		22	OUTBOUND		1	67
				6							6			
# EXCLUDES DOMESTIC FISH LANDINGS														



## TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
Santee River, S. C. TOTAL, 7 AND LESS - - - - -			1		UPBOUND	1			1		DOWNBOUND	
Village Creek, S. C.			NO VESSEL TRIPS		REPORTED							
Waccamaw River, N. C. AND S. C. TOTAL, 8 AND LESS - - - - -	3				INBOUND	3	3				OUTBOUND	
# EXCLUDES DOMESTIC FISH LANDINGS												

## SAVANNAH, GA, DISTRICT

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## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
SAVANNAH HARBOR, GEORGIA				INBOUND					OUTBOUND	
39 - - - - -	1	1				2	1	1		2
38 - - - - -	3	1				4	8			8
37 - - - - -	4	7				11	18	3		21
36 - - - - -	15	5				20	32	3		35
35 - - - - -	32	23				55	36	3		39
34 - - - - -	71	19				90	86	9		95
33 - - - - -	103	28				131	68	6		74
32 - - - - -	77	16			2	95	78	11		90
31 - - - - -	77	13			1	91	61	7		68
30 - - - - -	105	19		1	3	128	114	21		130
29 - - - - -	71	14			4	89	124	7		132
28 - - - - -	115	15			5	135	117	16		138
27 - - - - -	87	16			3	106	105	12		118
26 - - - - -	133	12				145	121	17		140
25 - - - - -	132	12		1	5	150	127	17	1	152
24 - - - - -	90	13		2	1	106	89	29		118
23 - - - - -	90	9		14	1	114	66	20		87
22 - - - - -	83	10	28	2		123	70	15	28	113
21 - - - - -	61	2	2	2		67	54	11	2	67
20 - - - - -	55	8	14	1	7	85	49	6	16	114
19 - - - - -	32	9		1	1	43	22	8		49
18 AND LESS - - - - -	827	6	689	276	434	2,232	817	31	687	308
TOTAL - - - - -	2,264	258	733	300	467	4,022	2,263	255	733	468
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (SAVANNAH DISTRICT)				NORTHBOUND					SOUTHBOUND	
12 - - - - -	2		18	1	14	35	2	33	6	1
11 - - - - -			10	2	35	47		7		5
10 - - - - -			24	1	3	28		14	8	
9 - - - - -			23	44	92	159		26	51	18
8 - - - - -	8		222	79	2	311	5	221	211	3
7 - - - - -			247	8	10	265		252	4	7
6 AND LESS - - - - -	80		142	309	51	582	70	132	111	149
TOTAL - - - - -	90		686	448	207	1,427	77	685	391	183
BRUNSWICK HARBOR, GEORGIA				INBOUND					OUTBOUND	
36 - - - - -	1					1				
32 - - - - -	1					1				
31 - - - - -	15					16	7			7
30 - - - - -	4					4	2			2
29 - - - - -	4					4	12			12
28 - - - - -	26					26	24			24
27 - - - - -	22					22	17			17
26 - - - - -	29					29	18			18
25 - - - - -	29					29	26			26
24 - - - - -	13					13	14			14
23 - - - - -	13					13	15		1	16
22 - - - - -	47					47	15			15
21 - - - - -	5					5	16			16
20 - - - - -	3					3	4			4
19 - - - - -	3					3	9			9
18 - - - - -	4					4	8	5		13
17 - - - - -	5		8	1		14	4	15	1	20
16 - - - - -	1		14			15	4	3		7
15 - - - - -	3		3			6	8			8
14 - - - - -	1					1	2	1		3
13 - - - - -	9		2			11	1	6		7
12 AND LESS - - - - -	27		295	143	100	565	62	293	143	100
TOTAL - - - - -	266		322	144	100	832	268	323	145	100
ALTAMAHA RIVER, GA.				NO VESSEL TRIPS REPORTED						
SARIEEN HARBOR, GA.				INBOUND					OUTBOUND	
TOTAL, 6 AND LESS - - - - -			1			1		1		1
SATILLA RIVER, GA.				NO VESSEL TRIPS REPORTED						
SAVANNAH RIVER BELOW AUGUSTA, GA.				UPBOUND					DOWNBOUND	
TOTAL, 9 AND LESS - - - - -	10		2		1	13	9	2		1
ST. MARYS RIVER, GA. AND FLA.				UPBOUND					DOWNBOUND	
TOTAL, 11 AND LESS - - - - -			30		1	58		30		26

# EXCLUDES DOMESTIC FISH LANDINGS

# Waterborne Commerce of the United States, 1987

## JACKSONVILLE, FL, DISTRICT

TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
<b>FERNANDINA HARBOR, FLORIDA</b>				<b>INBOUND</b>						<b>OUTBOUND</b>		
32 -	3					3	3					3
31 -	1					1						
30 -	6					6	6					6
29 -	2					2	3					3
28 -	3					3	2					2
27 -	5					5	3					3
26 -	5					5	6					6
25 -	3					3	2					2
24 -	4					4	5					5
23 -							2					2
21 -	1					1	1					1
20 -	1					1	1					1
18 AND LESS -	46		160	5	90	301	49		148	6	84	287
<b>TOTAL -</b>	<b>60</b>		<b>160</b>	<b>5</b>	<b>90</b>	<b>335</b>	<b>83</b>		<b>148</b>	<b>6</b>	<b>84</b>	<b>321</b>
<b>ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (JACKSONVILLE DISTRICT)</b>				<b>NORTHBOUND</b>						<b>SOUTHBOUND</b>		
13 -			4			4			4			4
12 -	72		4		4	80	60		10			70
11 -	5		10		45	60	11		5		5	21
10 -			9	1	2	12	3		0	8		20
9 -			23	11	114	148			28	36	16	80
8 -	7		152	11	2	172	6		150	34		190
7 -			160	3	11	174			153	4	7	164
6 AND LESS -	2		119	98	32	251	1		117	36	178	332
<b>TOTAL -</b>	<b>86</b>		<b>481</b>	<b>124</b>	<b>210</b>	<b>901</b>	<b>81</b>		<b>476</b>	<b>118</b>	<b>206</b>	<b>881</b>
<b>JACKSONVILLE HARBOR, FLA.</b>				<b>INBOUND</b>						<b>OUTBOUND</b>		
32 -	3	17				20	3		2			7
31 -	2	8	1			11	4	4	8			24
30 -	1	5			1	7	2	9	1			13
35 -	4	24	1			29	4	3				7
34 -	4	17				21	2	3				5
33 -	13	25			1	39	8	9				17
32 -	45	9	33		21	108	8	9	32			49
31 -	26	11			2	41	21	7				28
30 -	54	0			13	75	44	7			8	59
29 -	116	12			14	142	101	8			2	111
28 -	126	10			19	155	139	10			7	156
27 -	162	12			11	185	186	16	1		9	212
26 -	115	3	1		4	123	138	14		16		168
25 -	113	13		2	4	132	133	11		4		148
24 -	103	5				108	102	9		2		113
23 -	85	5		1	2	93	79	11		4		94
22 -	45	5	22	3	2	77	39	6	20	1	1	67
21 -	30	2	1	3		36	37	5	1			43
20 -	26	14	129	1	0	174	10	13	137		5	165
19 -	14	2	3	4	5	28	20	19	2	2	1	44
18 AND LESS -	162	10	1,493	275	1,080	3,020	170	46	1,380	302	1,117	3,015
<b>TOTAL -</b>	<b>1,291</b>	<b>217</b>	<b>1,688</b>	<b>289</b>	<b>1,183</b>	<b>4,624</b>	<b>1,250</b>	<b>219</b>	<b>1,584</b>	<b>305</b>	<b>1,187</b>	<b>4,545</b>
<b>ST. JOHNS RIVER, FLA., JACKSONVILLE TO LAKE HARVEY</b>				<b>UPBOUND</b>						<b>DOWNBOUND</b>		
11 -	1				11	12					7	7
10 -			1	1		2	1					1
9 -			68	4	155	227			80			80
8 -			88	1		89			97			97
7 -	1		77		5	83	1		76			77
6 -			57			57			53			53
5 -	507			1		507	508			1		509
4 -				3		14	1			8	189	198
2 -					11				1			
<b>TOTAL -</b>	<b>509</b>		<b>291</b>	<b>10</b>	<b>182</b>	<b>992</b>	<b>511</b>		<b>307</b>	<b>9</b>	<b>196</b>	<b>1,023</b>
<b>CANAVERAL HARBOR, FLA.</b>				<b>INBOUND</b>						<b>OUTBOUND</b>		
37 -	1	1				2						
36 -					1	1						
35 -	4	1				5	4					4
34 -	5	15				20	1	2				3
33 -	5	2				7	1					1
32 -	2	2			5	9	1	1				2
31 -	7	3				10	5	1				6
30 -	107	3			2	112	97	2		3		102
29 -	115	4				117	107	4				111
28 -	12	5				17	6	3				9
27 -	9	2				11	10	2				12
26 -	7	5				13	14	7				21
25 -	11	3			1	15	13	6				19
24 -	10	4				14	16	3				19
23 -	5	2				10	11	3		1		15
22 -	6	1				7	4	2				6
21 -	12					12	23	2				25
20 -	3					3	9	3				14
19 -	10			1		11	15	5	2			20

# EXCLUDES DOMESTIC FISH LANDINGS

## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
CANAVERAL HARBOR, FLA.--(CONTINUED)												
18 AND LESS- - - - -	622		143	62	73	900	618	?	142	64	77	903
TOTAL- - - - -	954	53	143	63	83	1,296	955	48	144	64	81	1,292
PALM BEACH HARBOR, FLA.												
33- - - - -	2	1				3		4				4
32- - - - -	2					2	3					7
30- - - - -	2		2		10	14	2		1		2	5
29- - - - -	5					5	1					5
28- - - - -	8	1				9	2	1				3
27- - - - -	8	1				9	2					2
26- - - - -						4	4					4
25- - - - -						1	1					1
24- - - - -	2	1				3	4			5		9
23- - - - -	2	2				4	2			23		25
22- - - - -	3	2		1		6				19		19
21- - - - -	4	2	8			14	11		10	1		22
20- - - - -	4	1	4			9	8			6		14
19- - - - -	5	1			1	7	4					4
18 AND LESS- - - - -	1,582	3	100	79		1,764	1,582	2	88	32	11	1,715
TOTAL- - - - -	1,625	15	114	80	11	1,845	1,626	15	99	86	13	1,839
PORT EVERGLADES HARBOR, FLA.												
40- - - - -		1				1						
39- - - - -	3	3				6	1					1
38- - - - -	1	44				45	1	3				4
37- - - - -	11	10				21	3	2				5
36- - - - -	1	22			2	23	1	9				10
35- - - - -	6	43			187	236	1	21		181		203
34- - - - -	18	66			9	93	4	5				9
33- - - - -	8	27			186	221	13	8		184		205
32- - - - -	18	26	751		32	827	14	7	763			785
31- - - - -	48	9			1	58	51	10				61
30- - - - -	44	14	1		22	81	51	17	1	18		87
29- - - - -	21	19		1	10	51	20	15		11		46
28- - - - -	247	14			32	293	251	27		11		289
27- - - - -	60	22			4	86	59	25		7		91
26- - - - -	34	13			2	49	40	25		6		71
25- - - - -	29	21			7	57	35	27				62
24- - - - -	40	8		1		49	65	16		1		82
23- - - - -	33	4			1	38	20	10				50
22- - - - -	28	3	3		1	35	24	12	2			50
21- - - - -	55	4	16	4		80	102	10	14	5		131
20- - - - -	114	14	2	1	4	135	145	49	3			197
19- - - - -	99	6	1	2	5	113	27	38	1			66
18 AND LESS- - - - -	3,154	8	235	12	93	3,502	3,144	65	225	16	180	3,630
TOTAL- - - - -	4,072	401	1,009	21	599	6,102	4,072	401	1,009	22	599	6,103
MIAMI HARBOR, FLA.												
37- - - - -	1					1						
36- - - - -	2	1				3	1					1
35- - - - -		1				1		1				2
34- - - - -	49	2		1		51	50			1		51
33- - - - -	6	2				9	2	1				3
32- - - - -	16	2				19	14	1				15
31- - - - -	61	4				65	67					67
30- - - - -	28				2	30	39	1				40
29- - - - -	27	1				28	43	2				45
28- - - - -	118				1	119	98					98
27- - - - -	113	3				116	140	2				142
26- - - - -	289	11				299	303	11				314
25- - - - -	320				1	321	324	1				325
24- - - - -	97	4				101	92	3				95
23- - - - -	131	2				133	126	1		1		128
22- - - - -	144					144	156	2				158
21- - - - -	71	2	1		1	75	43	2	1			46
20- - - - -	174	1				175	186	2				188
19- - - - -	42					42	42	3			1	46
18 AND LESS- - - - -	4,267	51	3,119	81	280	7,798	4,200	54	3,260	80	284	7,878
TOTAL- - - - -	5,955	87	3,120	81	288	9,531	5,927	87	3,261	80	287	9,642
MIAMI RIVER, FLA.												
15- - - - -	5					5	36					36
14- - - - -	11					11	94					94
13- - - - -	49					49	137					137
12- - - - -	206	3				209	246	3				249
11- - - - -	226	1				227	102	4				106
10- - - - -	126	1				127	97	1				98
9- - - - -	102					102	72		1			73
8- - - - -	65					66	56		2			58
7- - - - -	85		1,418	40		1,543	93		1,418	40		1,556
6 AND LESS- - - - -	1,857		1,537	1		3,397	1,789		1,536	4		3,329
TOTAL- - - - -	2,732	6	2,955	43		5,736	2,727	8	2,957	44		5,736

# EXCLUDES DOMESTIC FISH LANDINGS

## TIPS AND DRAFTS OF VESSELS

[illegible]

## ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT)

187

## TRIPS AND DRAFTS OF VESSELS #

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN VIRFOLK, VA., AND THE ST. JOHNS RIVER, FLA				NORTHBOUND					SOUTHBOUND			
12 - - - - -	42		28	2	14	86	28		47	209	1	285
11 - - - - -	5		30	3	50	88	11		23		9	43
10 - - - - -			431	66	5	505	3		677	770	64	1,514
9 - - - - -	1		158	69	376	604			265	1,088	99	1,452
8 - - - - -	25		1,046	112	22	1,205	15		1,022	217	10	1,244
7 - - - - -	966		505	103	18	1,592	963		549	242	9	1,763
6 AND LESS - - - - -	1,875		780	2,574	412	5,641	1,687		459	452	681	3,279
TOTAL - - - - -	2,914		2,978	2,929	900	9,721	2,707		3,042	2,978	873	9,600

# EXCLUDES DOMESTIC FISH LANDINGS

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